

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067243.D
 Acq On : 13 Oct 2020 10:28
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:05 PM

Quant Time: Oct 13 12:30:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	16180	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	7.92	113	15287	4.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.18%	
50) Toluene-d8	10.34	98	55166	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	12.64	95	18941	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	16305	5.134	ug/l	93
3) Chloromethane	2.21	50	11791	5.536	ug/l	92
4) Vinyl Chloride	2.35	62	12474	5.299	ug/l #	85
5) Bromomethane	2.77	94	10511	5.697	ug/l	95
6) Chloroethane	2.93	64	7872	5.343	ug/l	93
7) Trichlorofluoromethane	3.27	101	31031	5.245	ug/l	98
8) Diethyl Ether	3.71	74	7084	5.373	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	16896	5.377	ug/l	95
10) Methyl Iodide	4.30	142	12251	4.719	ug/l #	96
11) Tert butyl alcohol	5.21	59	10328m	37.094	ug/l	
12) 1,1-Dichloroethene	4.07	96	14176	5.130	ug/l	97
13) Acrolein	3.93	56	3579	23.924	ug/l	91
14) Allyl chloride	4.73	41	16148	5.238	ug/l	98
15) Acrylonitrile	5.43	53	10739	24.695	ug/l	92
16) Acetone	4.17	43	12434	26.588	ug/l	98
17) Carbon Disulfide	4.41	76	42449	5.380	ug/l	97
18) Methyl Acetate	4.72	43	6483	6.037	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	25915	4.867	ug/l	92
20) Methylene Chloride	4.97	84	22439	5.962	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	16795	5.313	ug/l	90
22) Diisopropyl ether	6.37	45	25979	4.571	ug/l #	98
23) Vinyl Acetate	6.31	43	65142	21.121	ug/l	97
24) 1,1-Dichloroethane	6.27	63	25169	5.082	ug/l	92
25) 2-Butanone	7.21	43	13576	25.840	ug/l	90
26) 2,2-Dichloropropane	7.21	77	27642	5.347	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	17564	5.061	ug/l	95
28) Bromochloromethane	7.54	49	8730	5.284	ug/l	94
29) Tetrahydrofuran	7.57	42	6670	23.036	ug/l	87
30) Chloroform	7.72	83	30319	5.105	ug/l	97
31) Cyclohexane	7.98	56	22932	5.766	ug/l #	72
32) 1,1,1-Trichloroethane	7.91	97	30598	5.249	ug/l	99
36) 1,1-Dichloropropene	8.11	75	21800	4.978	ug/l	99
37) Ethyl Acetate	7.30	43	6001	4.727	ug/l #	72
38) Carbon Tetrachloride	8.10	117	28721	5.116	ug/l	95

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22325	4.972	ug/l	92
40) Benzene	8.36	78	61847	5.125	ug/l	96
41) Methacrylonitrile	7.54	41	3209m	5.924	ug/l	
42) 1,2-Dichloroethane	8.43	62	19472	5.165	ug/l	91
43) Isopropyl Acetate	8.45	43	11958	4.807	ug/l	90
44) Trichloroethene	9.11	130	19078	4.948	ug/l	96
45) 1,2-Dichloropropane	9.39	63	14072	5.078	ug/l	93
46) Dibromomethane	9.48	93	9373	5.372	ug/l	91
47) Bromodichloromethane	9.67	83	23105	5.001	ug/l	93
48) Methyl methacrylate	9.46	41	5779	4.768	ug/l	97
49) 1,4-Dioxane	9.45	88	2312	124.937	ug/l #	57
51) 4-Methyl-2-Pentanone	10.23	43	30345	24.037	ug/l	97
52) Toluene	10.41	92	40026	4.900	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	19403	4.828	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	23449	4.980	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	11691	4.880	ug/l	91
56) Ethyl methacrylate	10.67	69	10863	4.641	ug/l	97
57) 1,3-Dichloropropane	10.95	76	18611	4.963	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	27868	23.116	ug/l	98
59) 2-Hexanone	10.98	43	20484	24.096	ug/l	94
60) Dibromochloromethane	11.14	129	18345	5.302	ug/l	99
61) 1,2-Dibromoethane	11.25	107	11925	5.113	ug/l	99
64) Tetrachloroethene	10.88	164	18980	5.424	ug/l	92
65) Chlorobenzene	11.67	112	46633	5.105	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	18747	5.169	ug/l	97
67) Ethyl Benzene	11.75	91	75044	4.883	ug/l	99
68) m/p-Xylenes	11.86	106	57282	9.594	ug/l	99
69) o-Xylene	12.18	106	27185	4.924	ug/l	89
70) Styrene	12.20	104	46795	4.933	ug/l	96
71) Bromoform	12.37	173	9983	5.146	ug/l #	98
73) Isopropylbenzene	12.48	105	68912	4.629	ug/l	96
74) N-amyl acetate	12.30	43	10619	4.790	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	11701	5.028	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	8559m	5.141	ug/l	
77) Bromobenzene	12.77	156	19096	5.040	ug/l	99
78) n-propylbenzene	12.83	91	83809	4.787	ug/l	98
79) 2-Chlorotoluene	12.91	91	50740	4.972	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	62617	4.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	3453	4.817	ug/l	95
82) 4-Chlorotoluene	13.01	91	55140	5.063	ug/l	99
83) tert-Butylbenzene	13.23	119	51181	4.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	59243	4.596	ug/l	97
85) sec-Butylbenzene	13.41	105	73193	4.826	ug/l	100
86) p-Isopropyltoluene	13.53	119	67068	4.679	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	38106	5.137	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	37890	5.208	ug/l	94
89) n-Butylbenzene	13.85	91	59932	4.792	ug/l	99
90) Hexachloroethane	14.12	117	12430	4.998	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	32078	4.998	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2003	4.779	ug/l	93

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

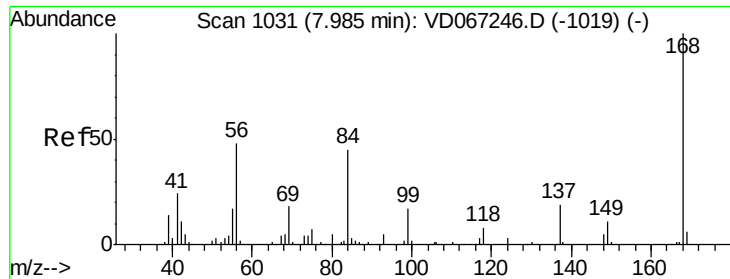
Manual Integrations
APPROVED

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10/14/2020 2:10:05 PM

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Quant Title : SW846 8260
QLast Update : Tue Oct 13 12:22:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20842	4.991	ug/l	95
94) Hexachlorobutadiene	15.28	225	12701	4.846	ug/l	96
95) Naphthalene	15.41	128	29528	4.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	17102	4.769	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 323578

Ion Ratio Lower Upper

168 100

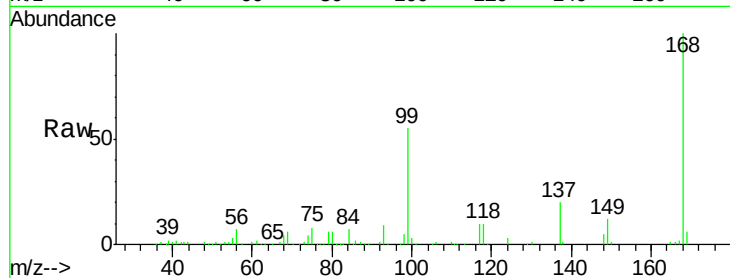
99 55.2 45.9 68.9

Manual Integrations

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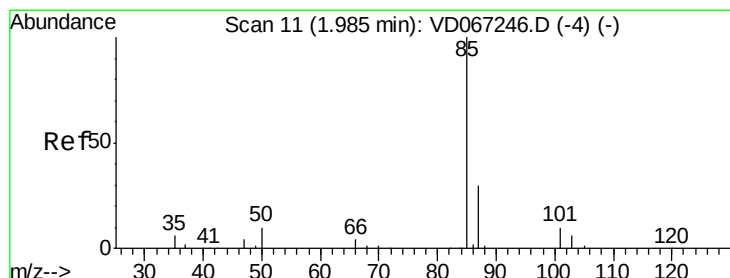
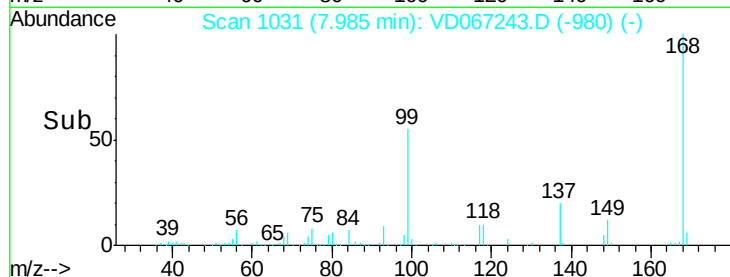
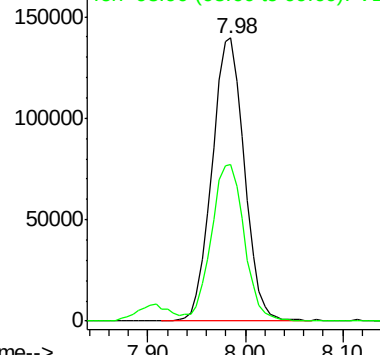
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.134 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067243.D

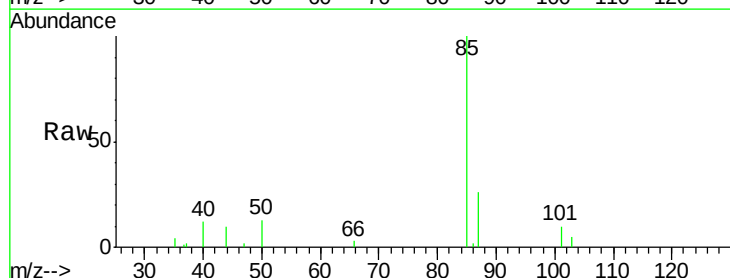
Acq: 13 Oct 2020 10:28

Tgt Ion: 85 Resp: 16305

Ion Ratio Lower Upper

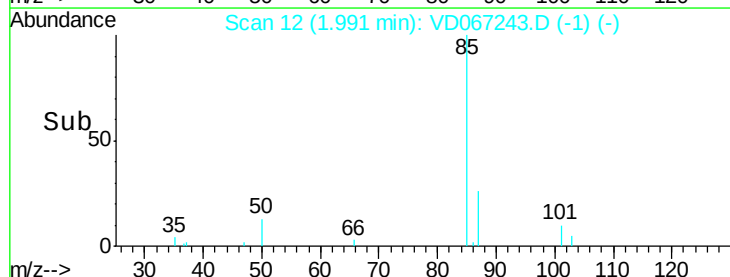
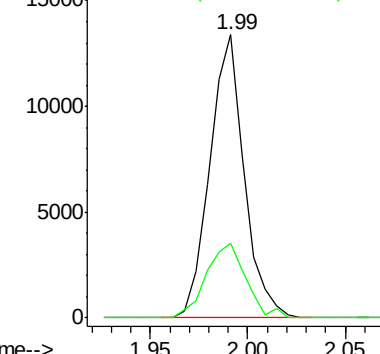
85 100

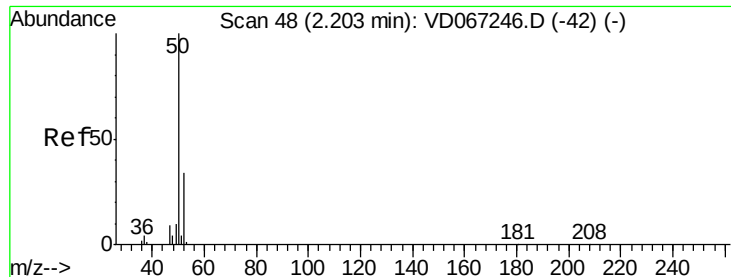
87 26.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.536 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11791

Ion Ratio Lower Upper

50 100

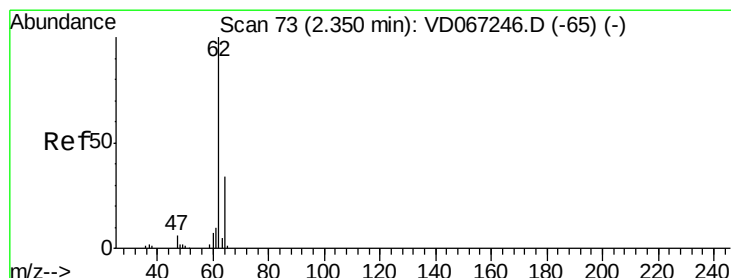
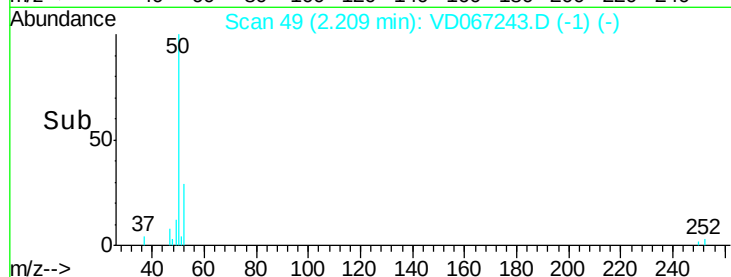
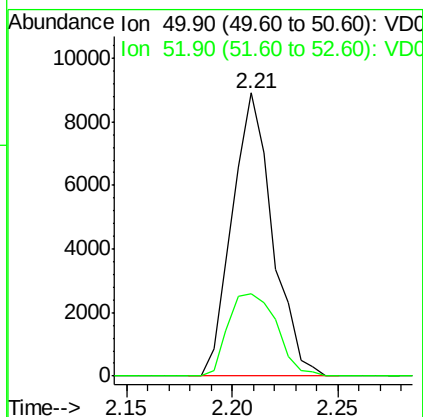
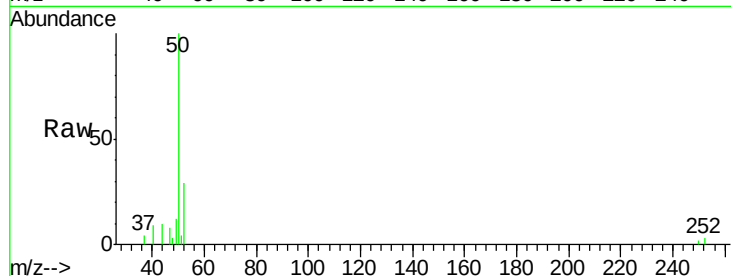
52 29.2 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.299 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067243.D

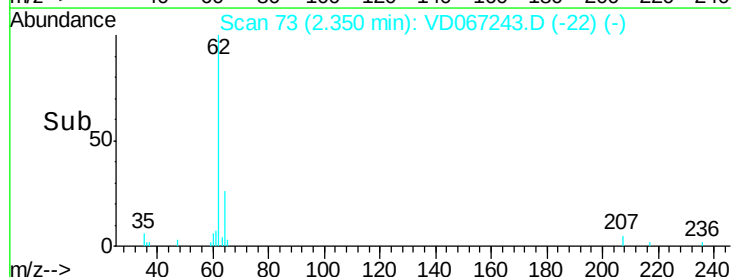
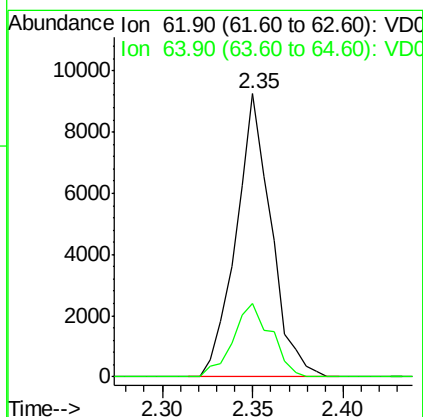
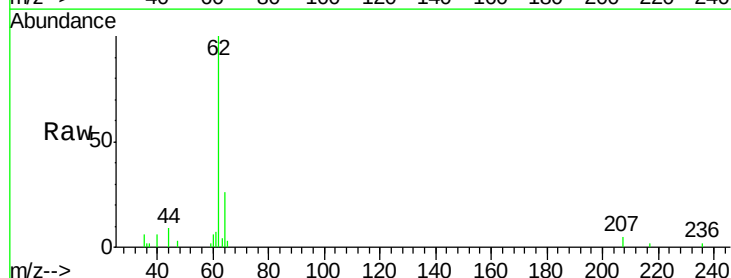
Acq: 13 Oct 2020 10:28

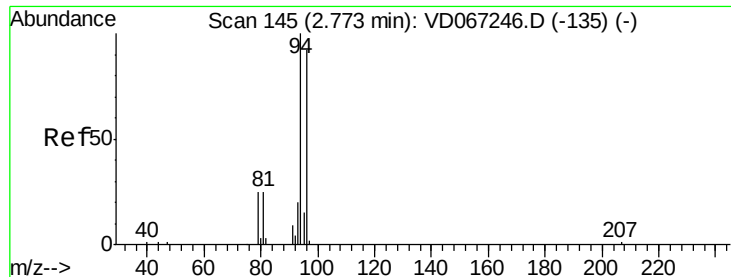
Tgt Ion: 62 Resp: 12474

Ion Ratio Lower Upper

62 100

64 25.8 27.4 41.0#





#5

Bromomethane

Concen: 5.697 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10511

Ion Ratio Lower Upper

94 100

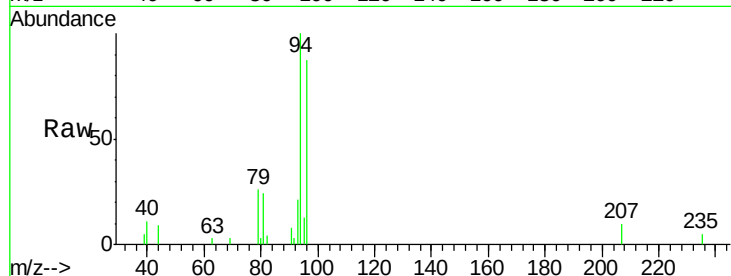
96 87.1 73.8 110.6

Manual Integrations

APPROVED

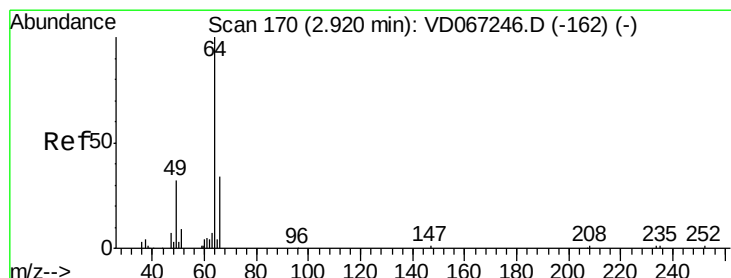
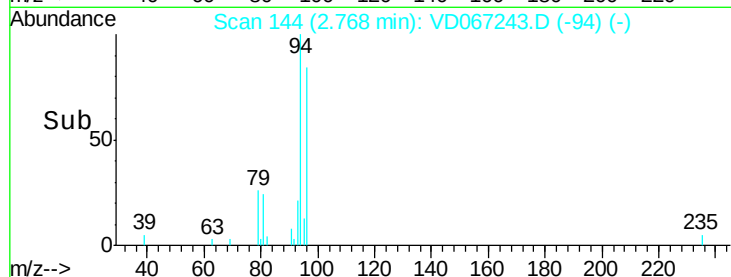
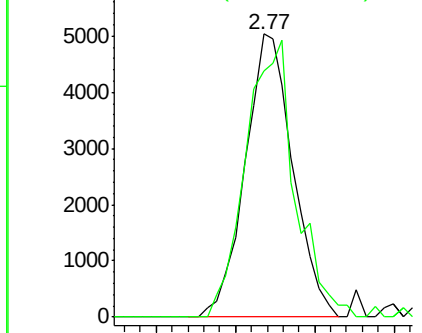
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.343 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067243.D

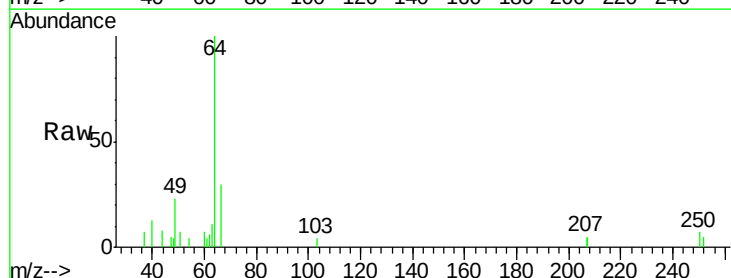
Acq: 13 Oct 2020 10:28

Tgt Ion: 64 Resp: 7872

Ion Ratio Lower Upper

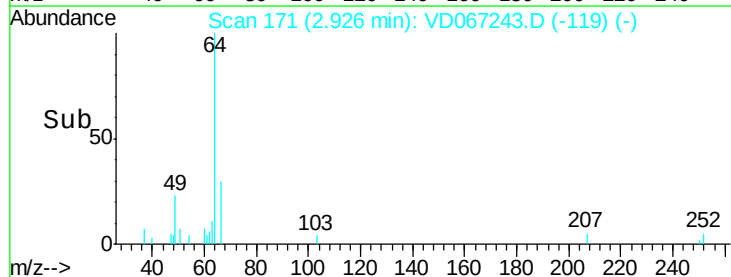
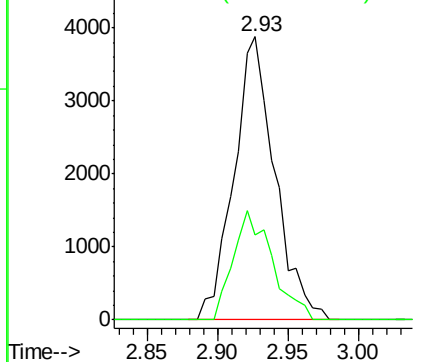
64 100

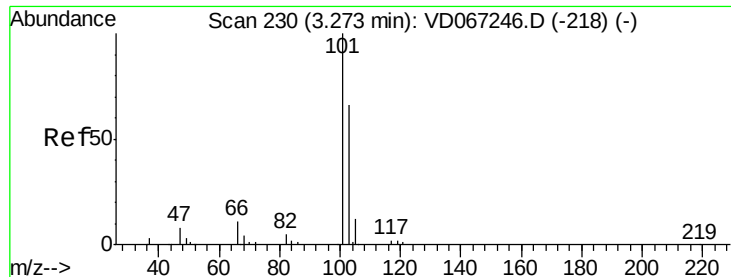
66 30.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

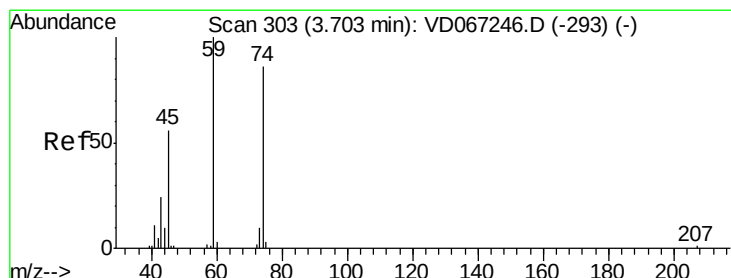
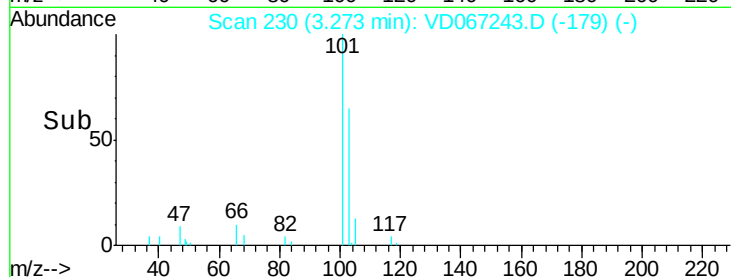
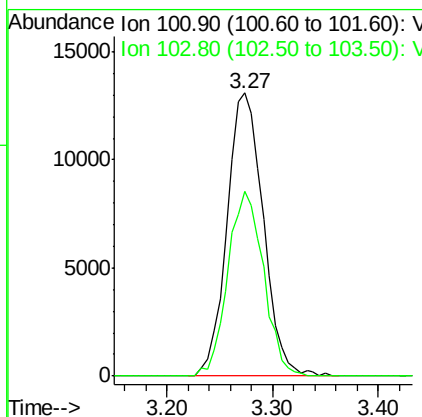
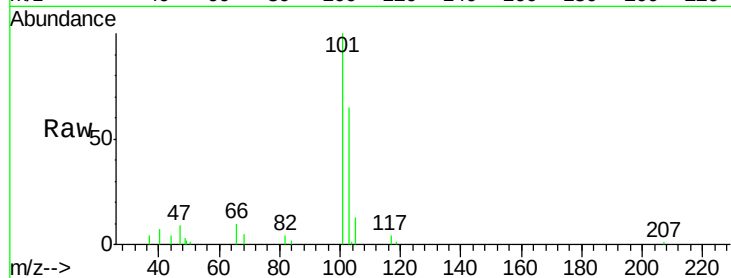
Trichlorofluoromethane
Concen: 5.245 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067243.D
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.1	79.7

Manual Integrations
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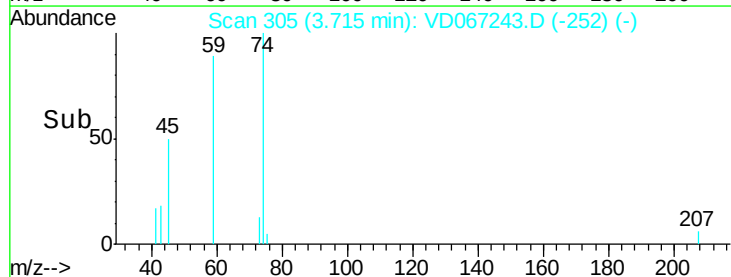
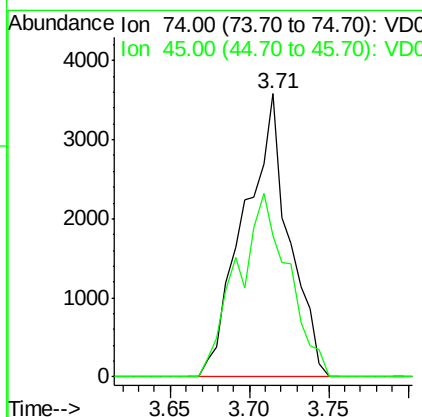
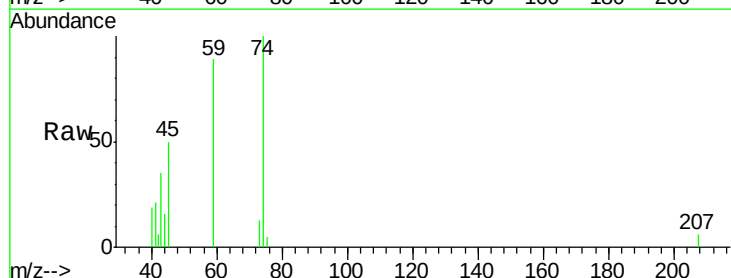
MMDadoda
10/14/2020 2:10:05 PM

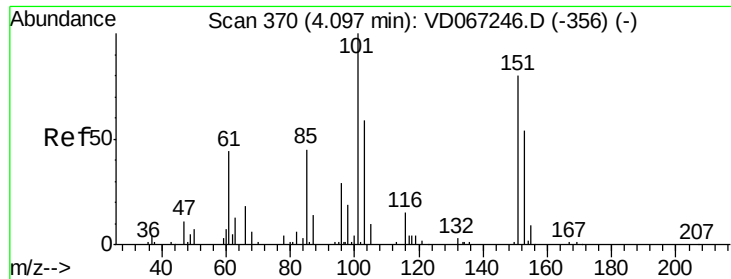


#8

Diethyl Ether
Concen: 5.373 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.377 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

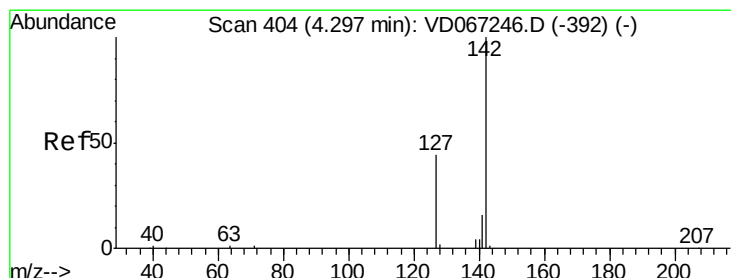
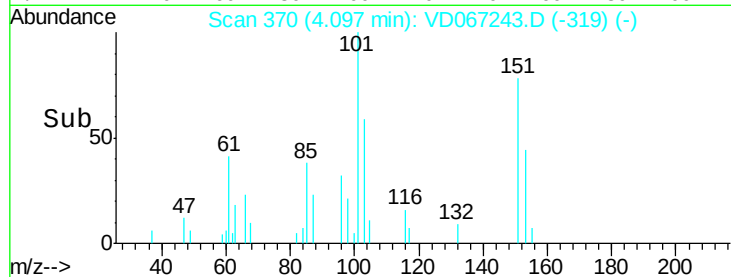
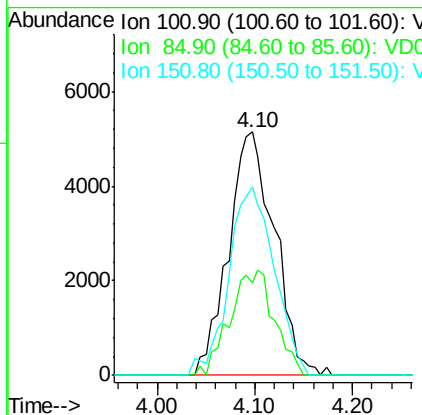
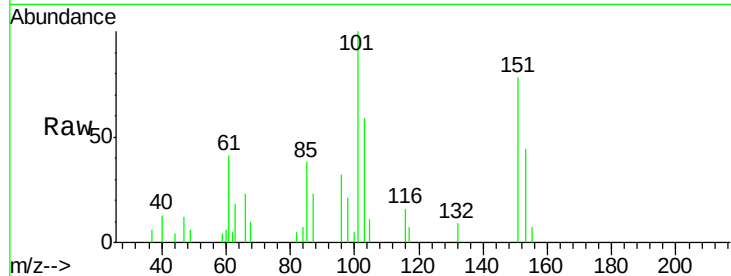
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16896
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	77.0	66.3	99.5

Manual Integrations
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10/14/2020 2:10:05 PM



#10

Methyl Iodide

Concen: 4.719 ug/l

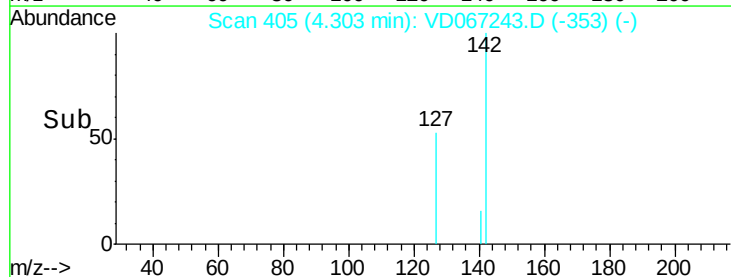
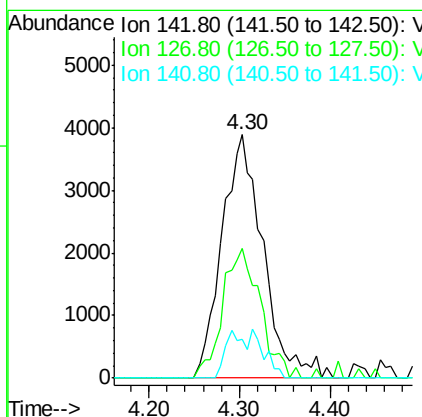
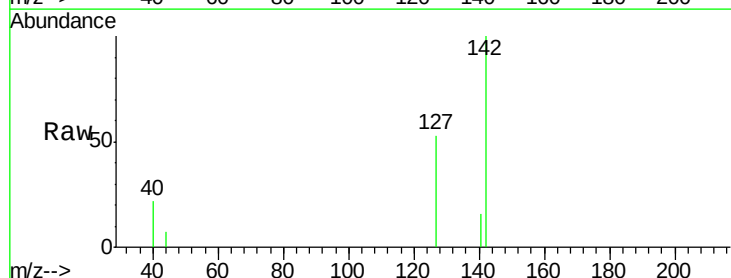
RT: 4.30 min Scan# 405

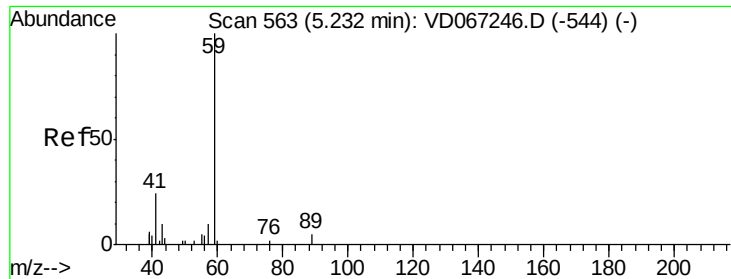
Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	142	Resp:	12251
Ion Ratio	Lower	Upper	
142	100		
127	48.7	38.4	57.6
141	9.1	11.6	17.4





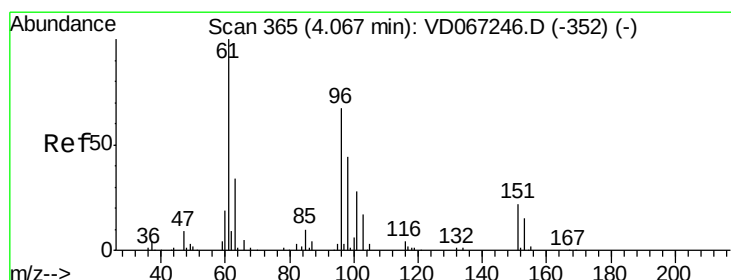
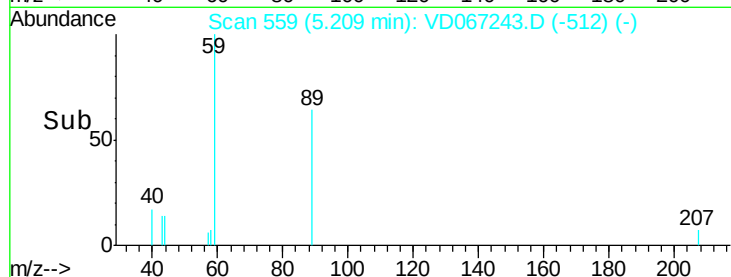
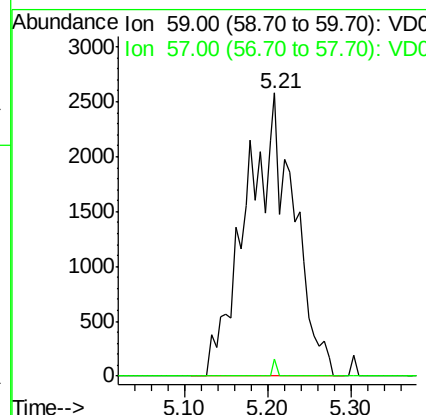
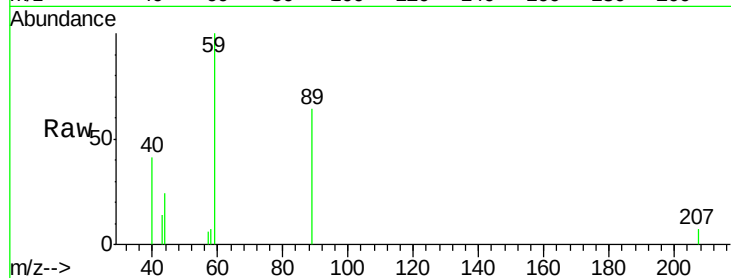
#11
Tert butyl alcohol
Concen: 37.094 ug/l m
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 10328
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

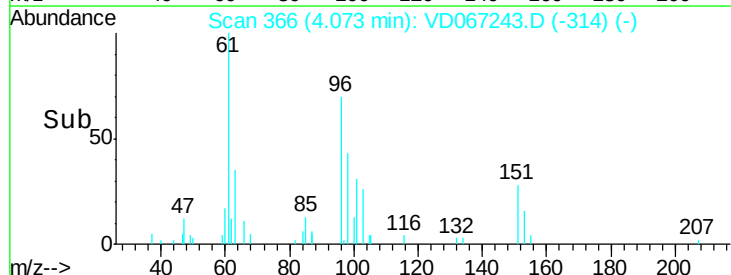
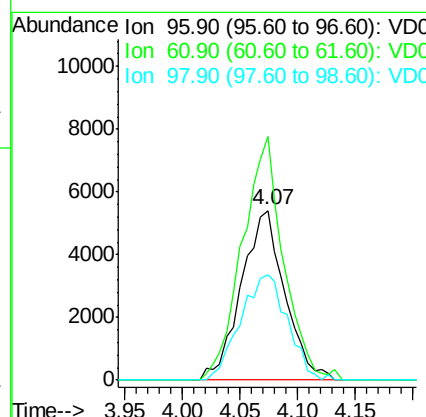
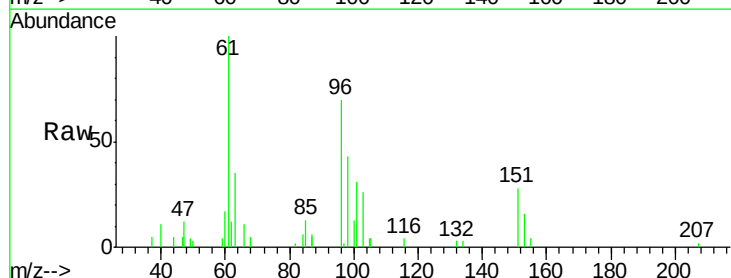
Manual Integrations
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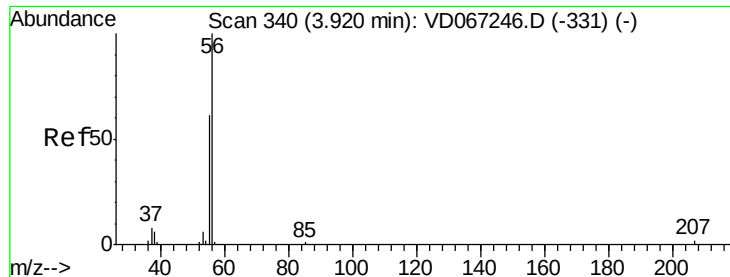
MMDadoda
10/14/2020 2:10:05 PM



#12
1,1-Dichloroethene
Concen: 5.130 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 96 Resp: 14176
Ion Ratio Lower Upper
96 100
61 143.6 118.6 177.8
98 62.4 51.8 77.6





#13

Acrolein

Concen: 23.924 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3579

Ion Ratio Lower Upper

56 100

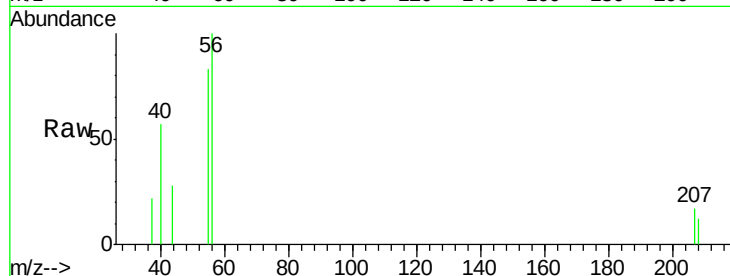
55 77.5 56.0 84.0

Manual Integrations

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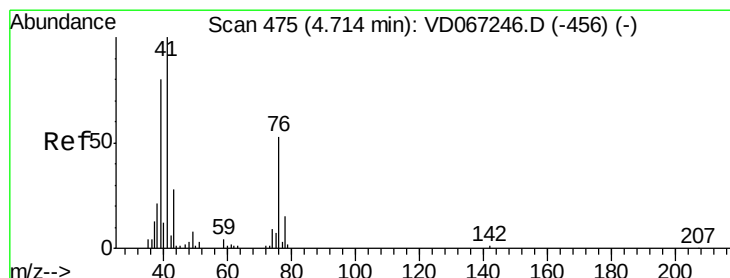
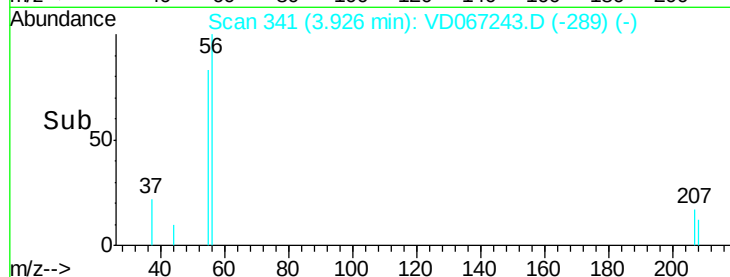
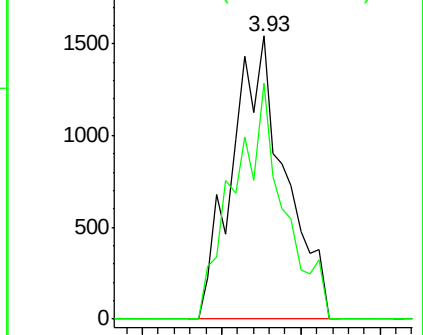
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.238 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

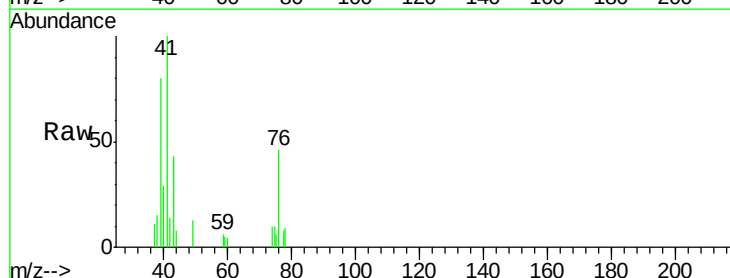
Tgt Ion: 41 Resp: 16148

Ion Ratio Lower Upper

41 100

39 80.6 63.8 95.6

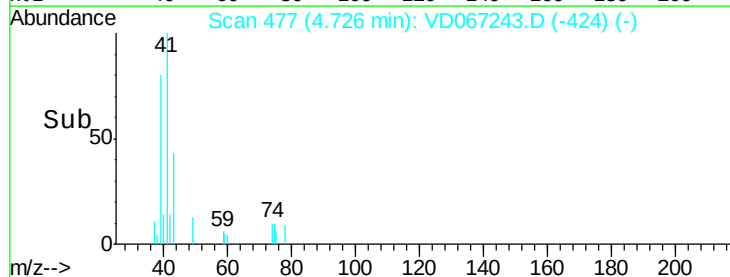
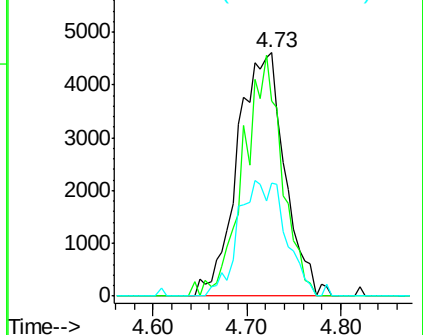
76 47.1 40.4 60.6

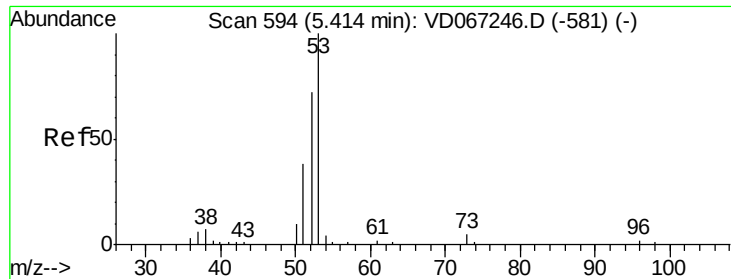


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.695 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

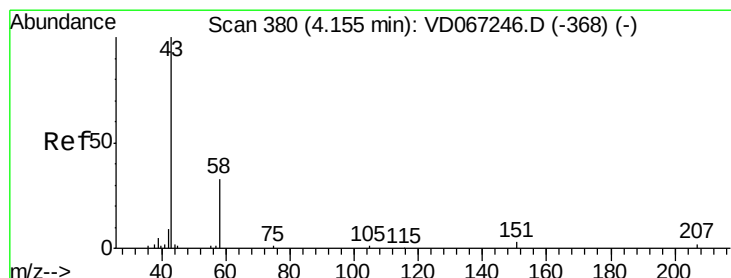
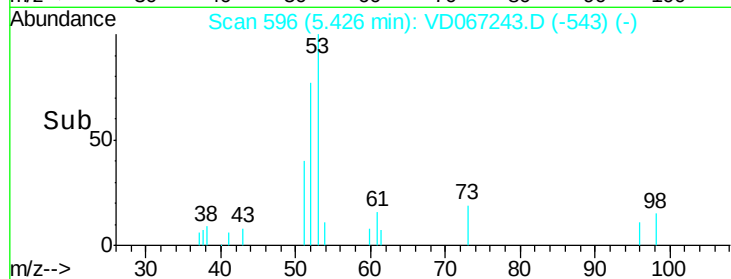
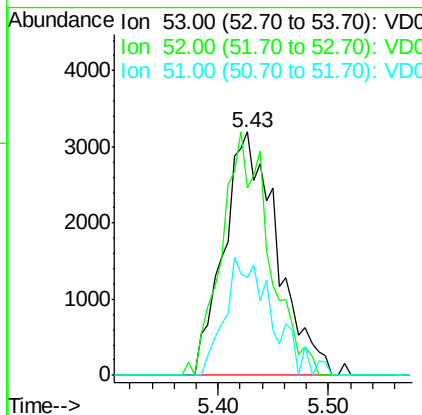
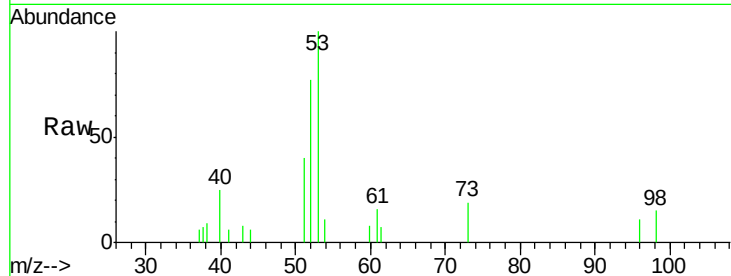
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10739
Ion	Ratio	Lower	Upper
53	100		
52	89.0	65.6	98.4
51	43.1	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 26.588 ug/l

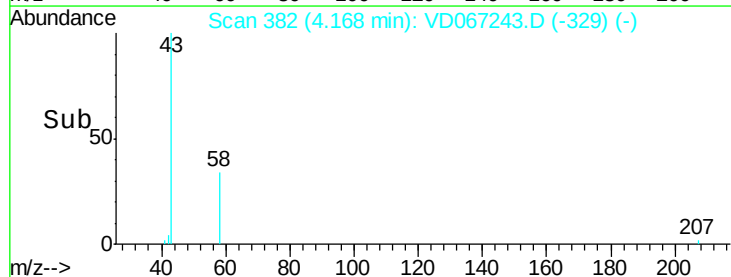
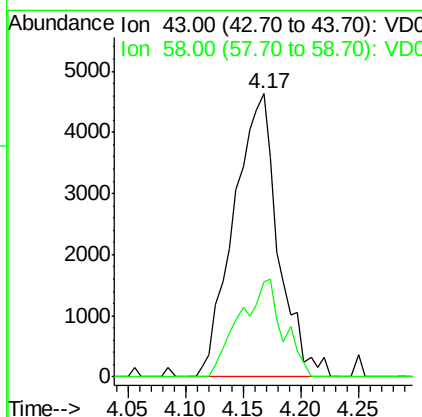
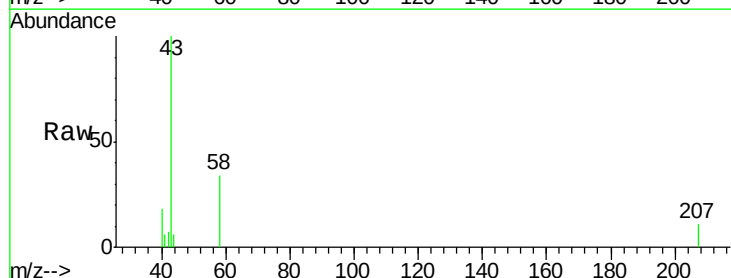
RT: 4.17 min Scan# 382

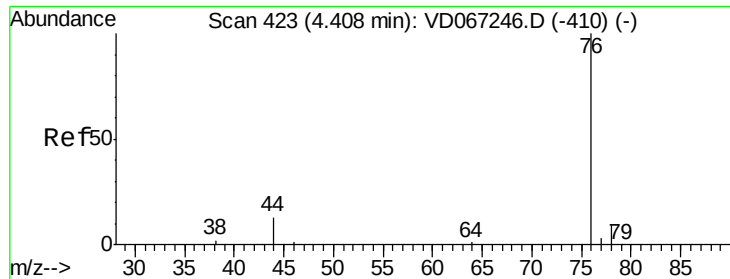
Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	43	Resp:	12434
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.1	39.1





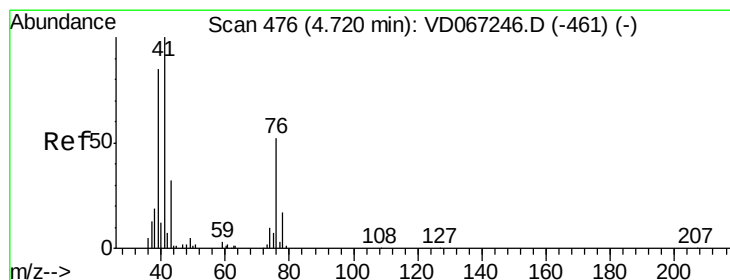
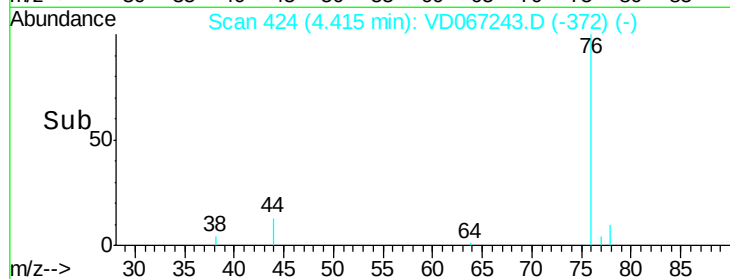
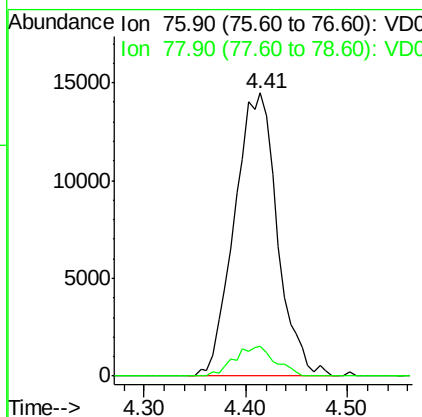
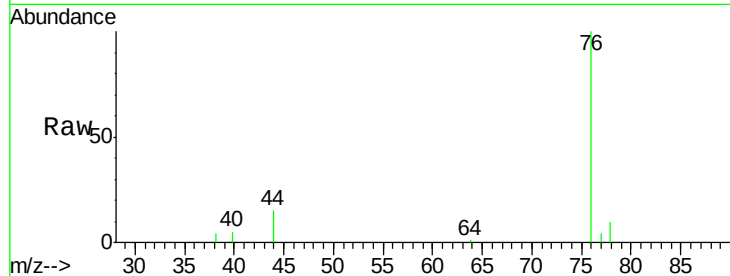
#17
Carbon Disulfide
Concen: 5.380 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 42449
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0

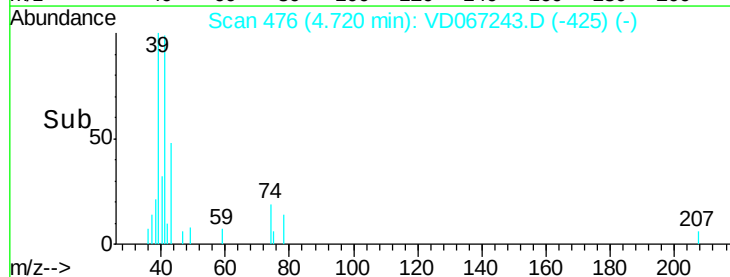
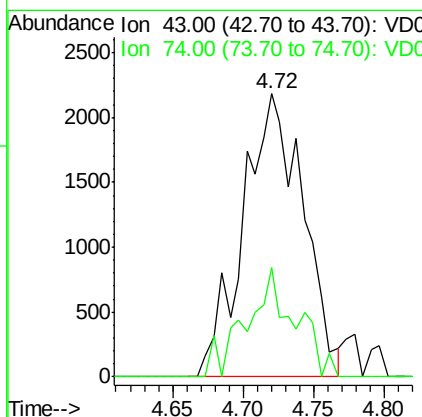
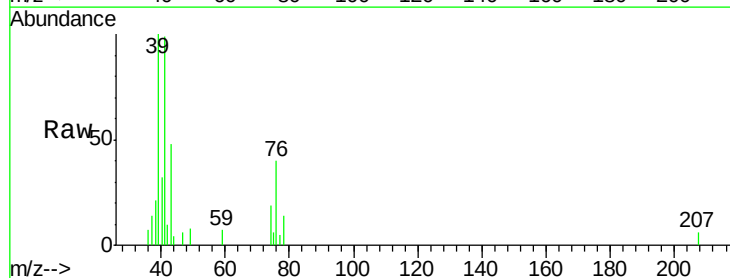
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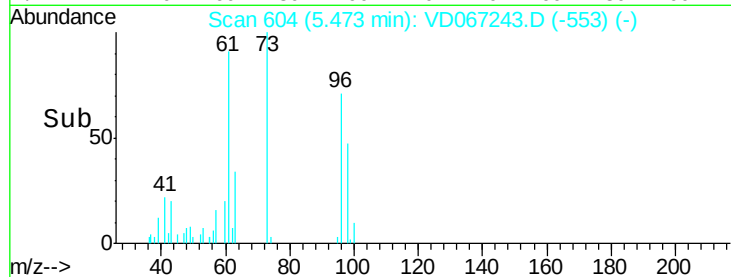
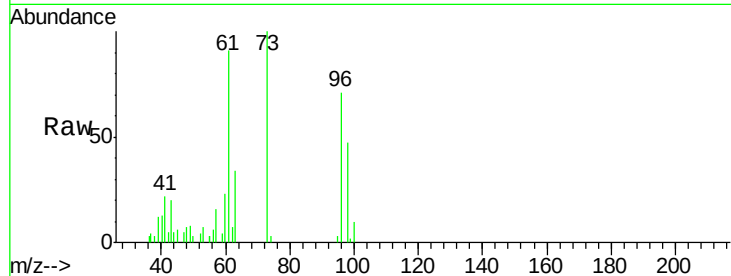
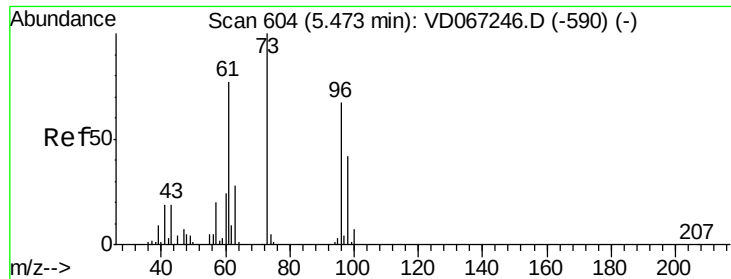
MMDadoda
10/14/2020 2:10:05 PM



#18
Methyl Acetate
Concen: 6.037 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 43 Resp: 6483
Ion Ratio Lower Upper
43 100
74 31.5 26.6 39.8





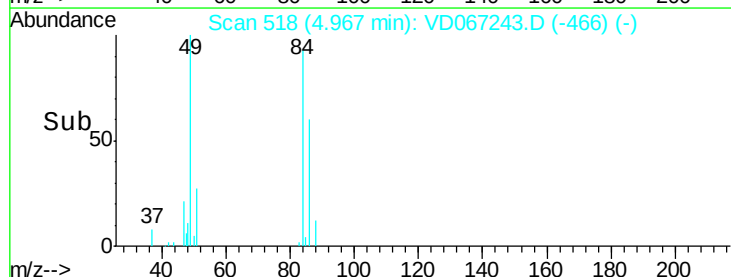
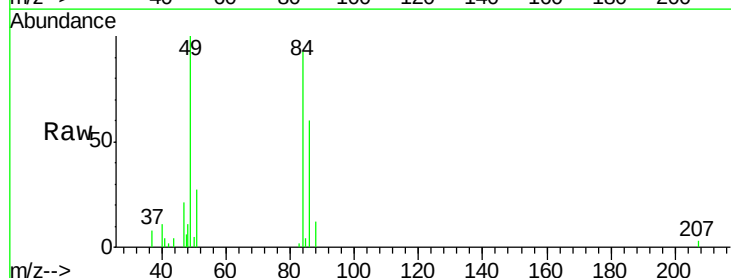
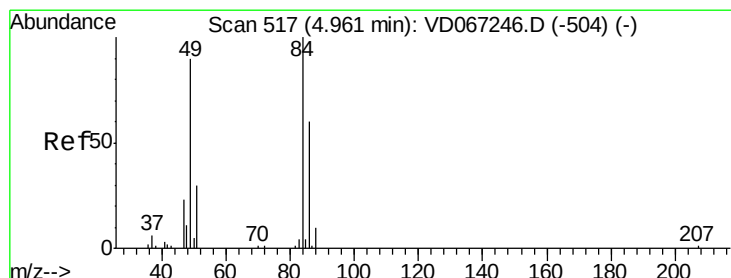
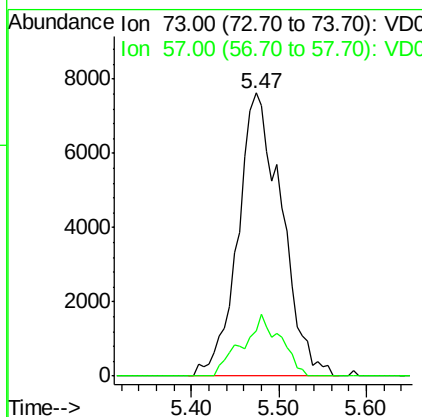
#19
Methyl tert-butyl Ether
Concen: 4.867 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tot Ion: 73 Resp: 25915
Ion Ratio Lower Upper
73 100
57 15.9 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

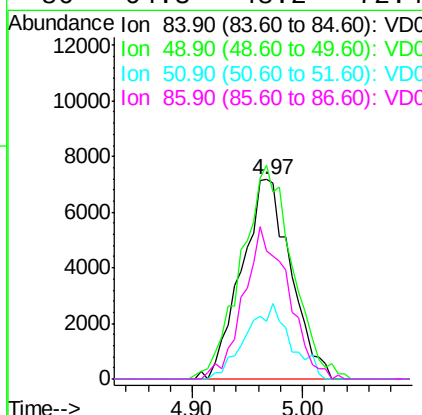
Manual Integrations
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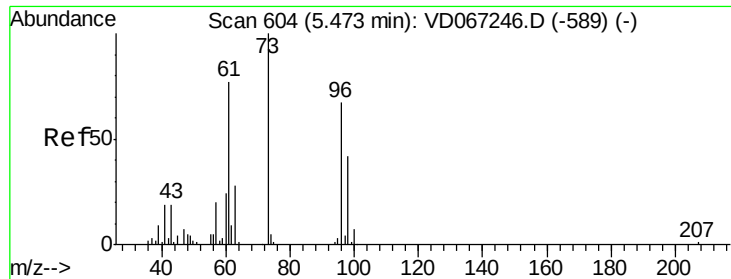
MMDadoda
10/14/2020 2:10:05 PM



#20
Methylene Chloride
Concen: 5.962 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 84 Resp: 22439
Ion Ratio Lower Upper
84 100
49 107.3 72.2 108.2
51 28.7 23.8 35.8
86 64.3 48.2 72.4





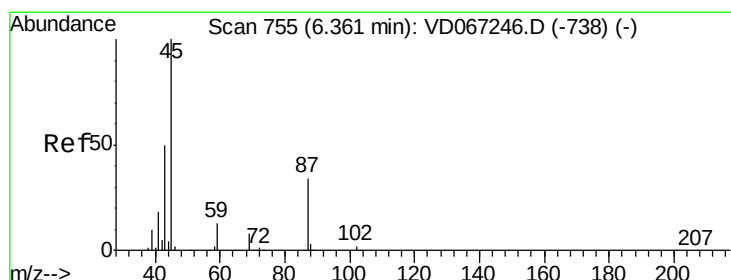
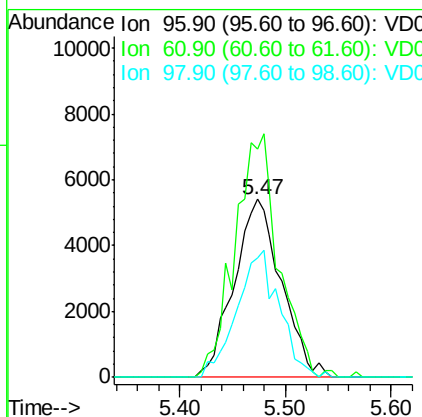
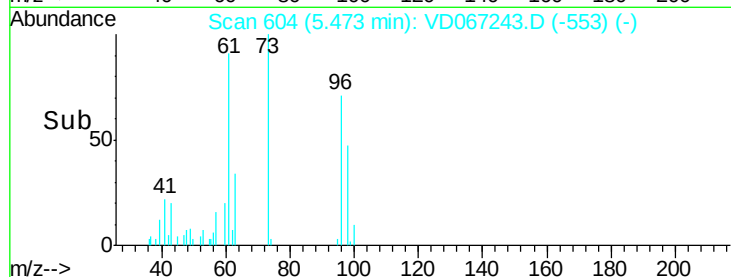
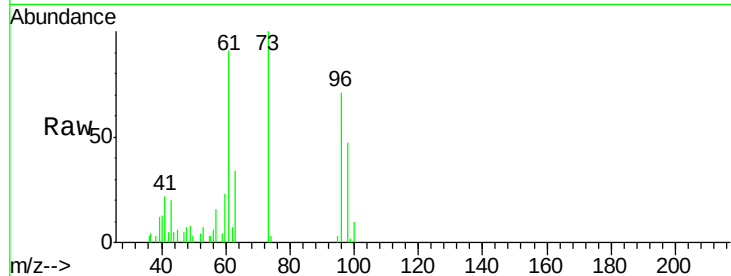
#21
trans-1,2-Dichloroethene
Concen: 5.313 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	92.0	138.0
98	66.9	49.8	74.8

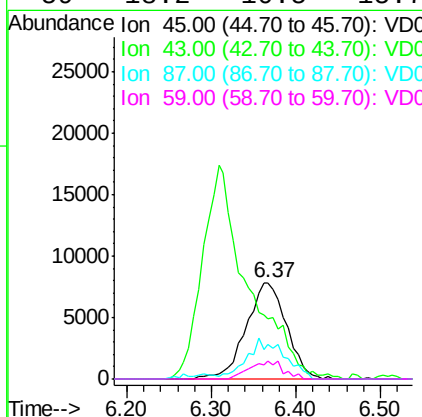
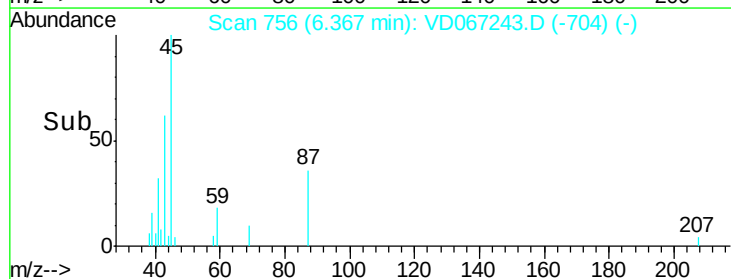
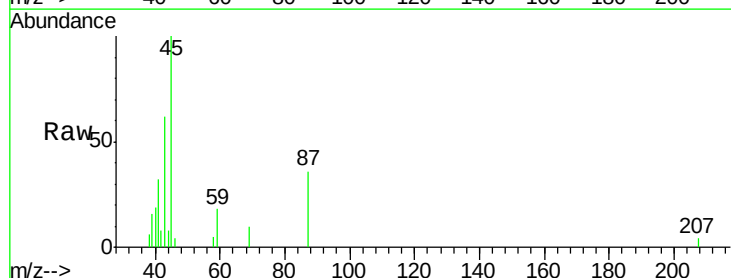
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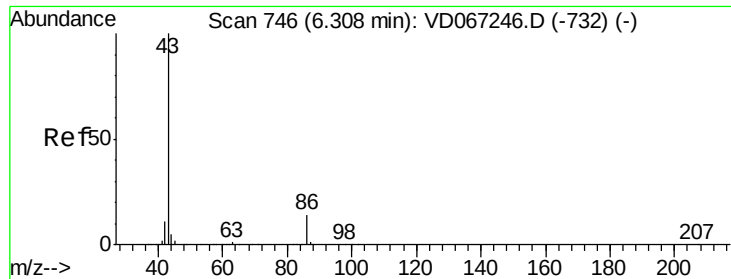
MMDadoda
10/14/2020 2:10:05 PM



#22
Diisopropyl ether
Concen: 4.571 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	48.0	72.0
87	35.6	28.5	42.7
59	18.2	10.5	15.7#





#23

Vinyl Acetate

Concen: 21.121 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 65142

Ion Ratio Lower Upper

43 100

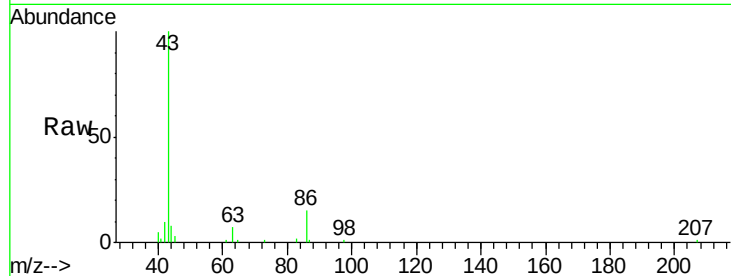
86 14.9 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

15000

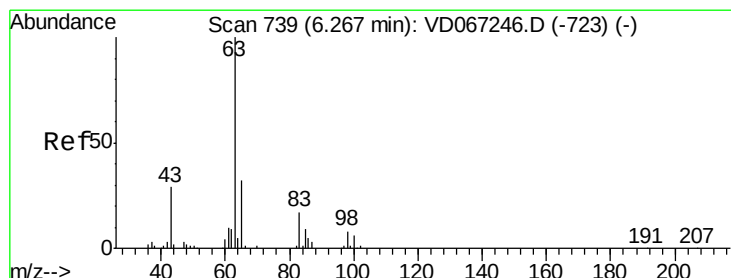
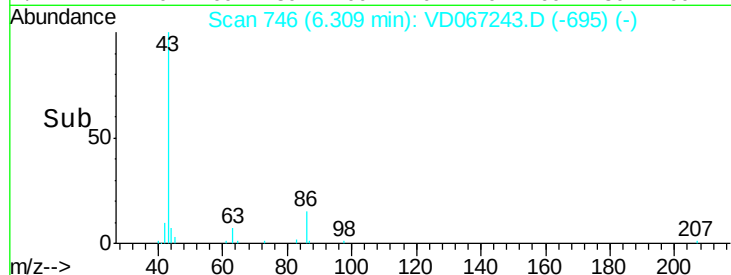
10000

5000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 5.082 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

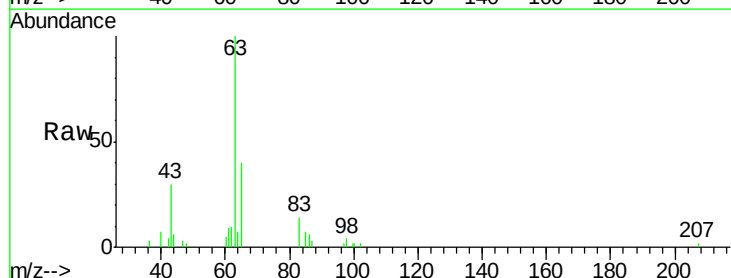
Tgt Ion: 63 Resp: 25169

Ion Ratio Lower Upper

63 100

98 4.1 4.0 12.2

100 4.4 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

10000

8000

6000

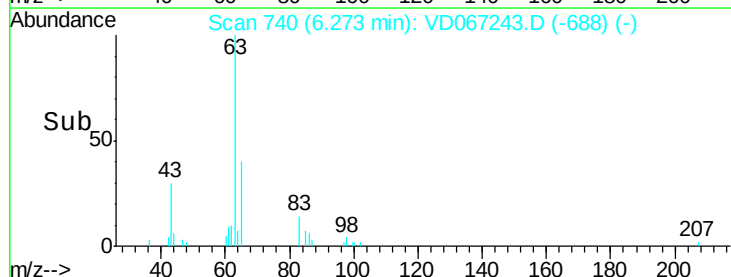
4000

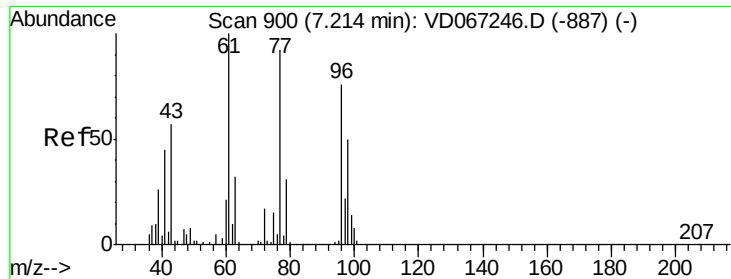
2000

0

Time-->

6.20 6.30 6.40





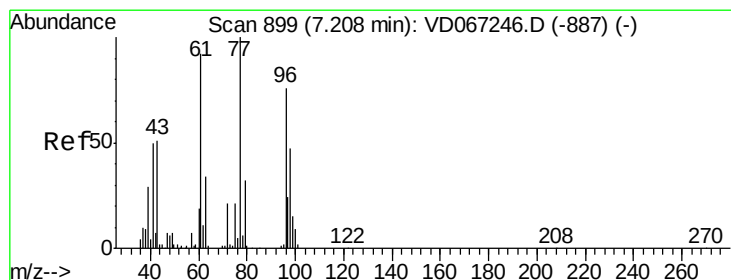
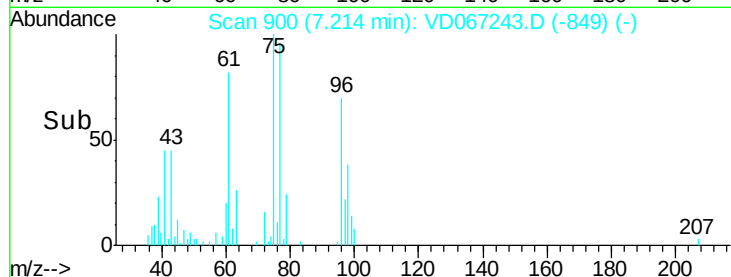
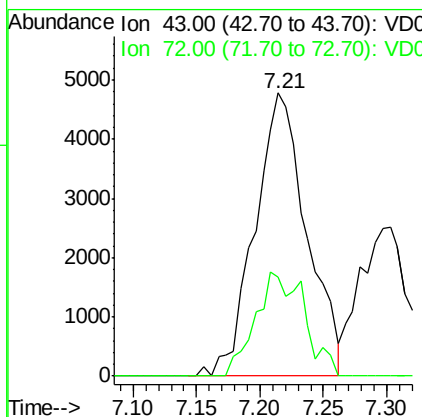
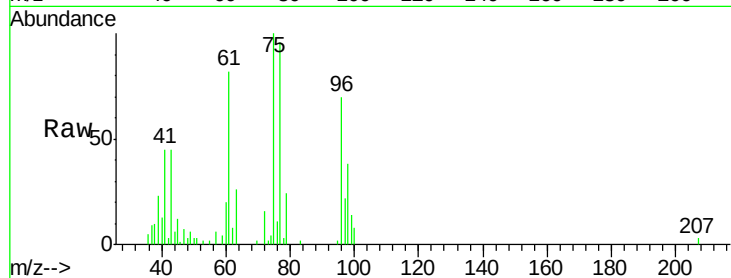
#25
2-Butanone
Concen: 25.840 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 13576
Ion Ratio Lower Upper
43 100
72 34.8 23.7 35.5

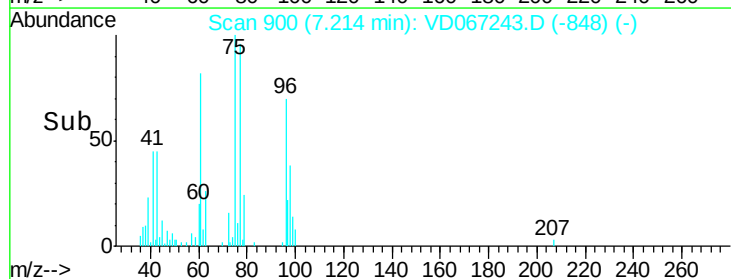
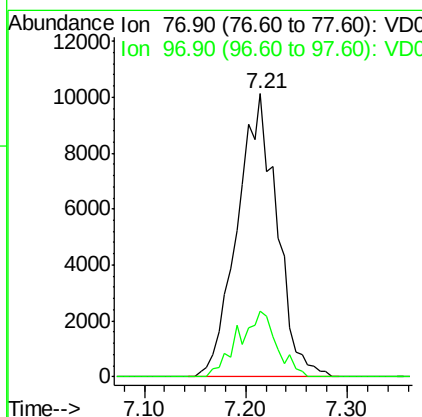
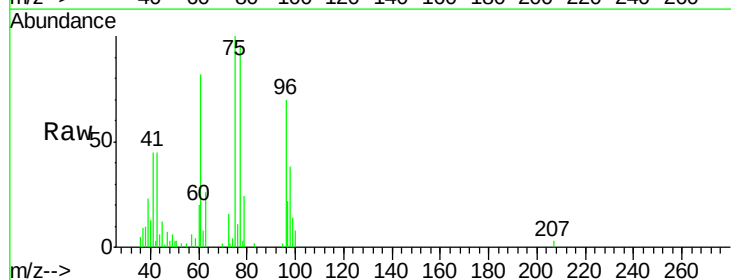
Manual Integrations
APPROVED

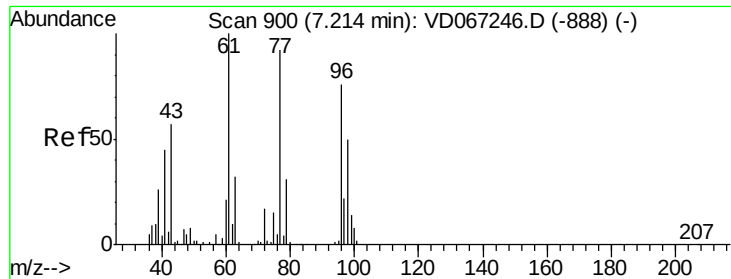
MMDadoda
10/14/2020 2:10:05 PM



#26
2,2-Dichloropropane
Concen: 5.347 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 77 Resp: 27642
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

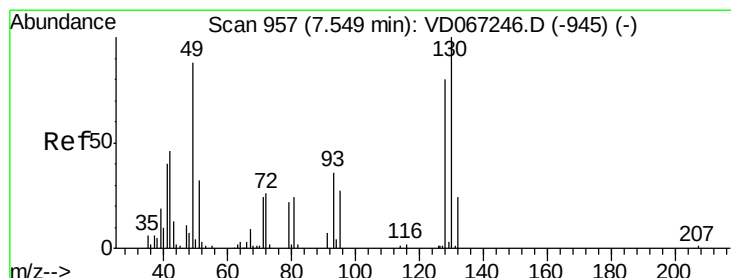
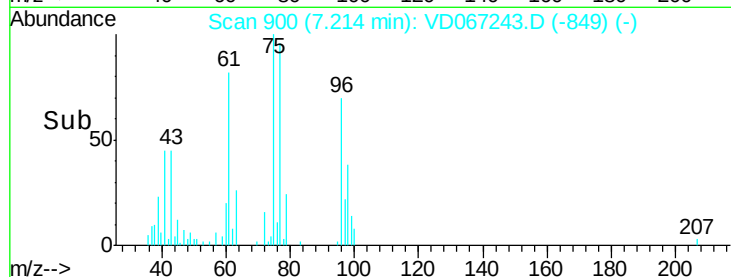
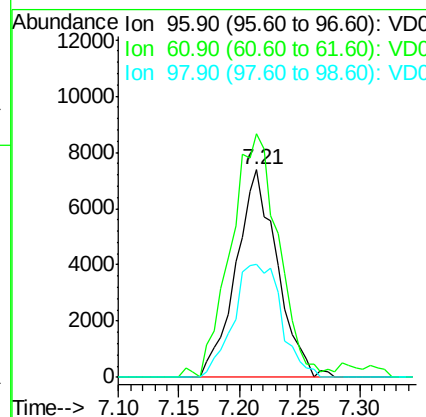
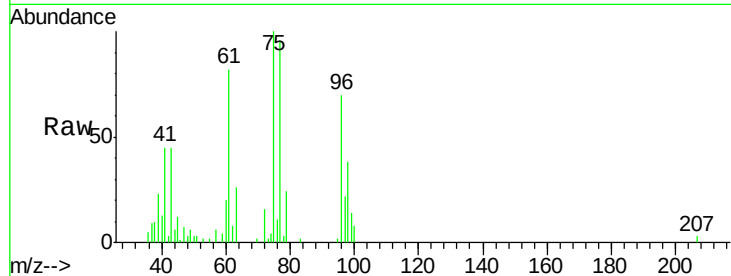
cis-1,2-Dichloroethene
Concen: 5.061 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	17564		
61	136.2	0.0	255.4	
98	62.9	0.0	128.0	

Manual Integrations
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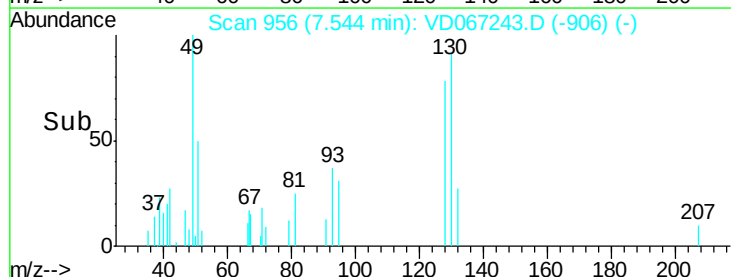
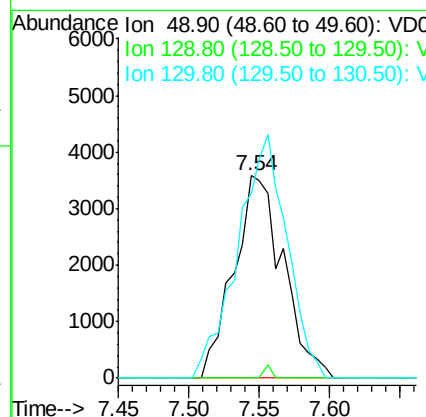
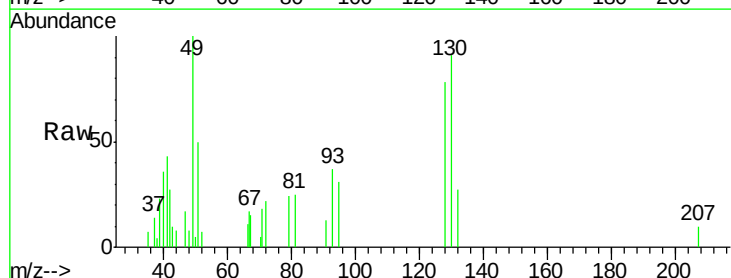
MMDadoda
10/14/2020 2:10:05 PM

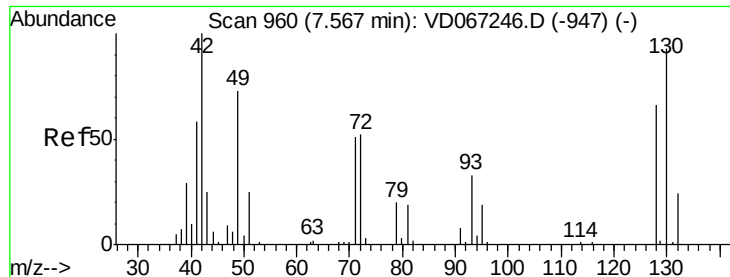


#28

Bromochloromethane
Concen: 5.284 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	8730		
129	1.0	0.0	1.6	
130	120.2	91.0	136.6	





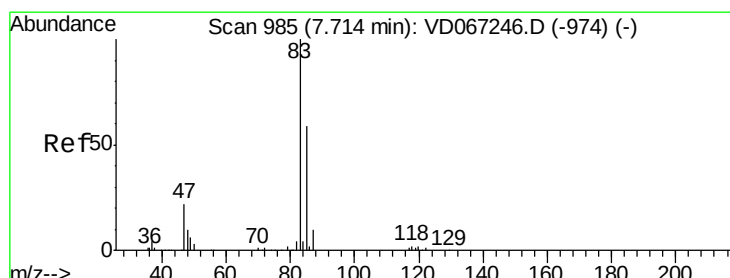
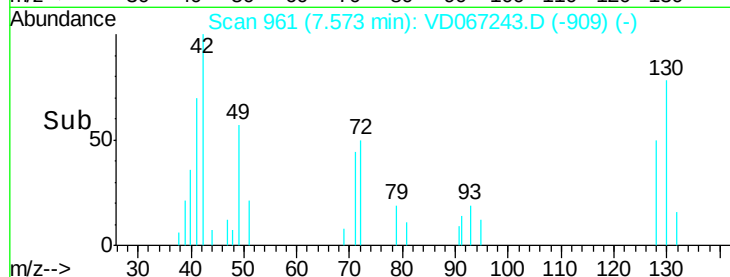
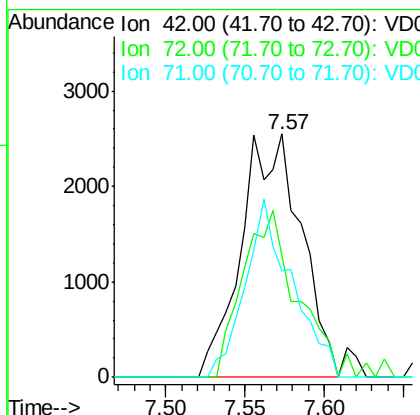
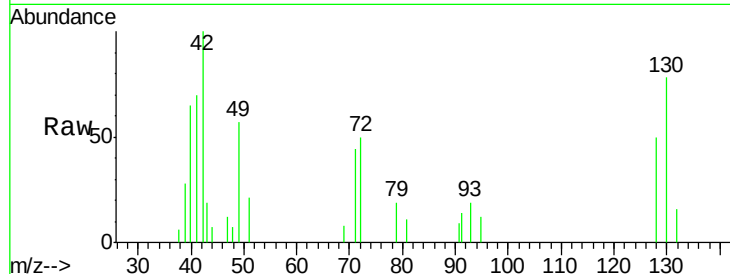
#29
Tetrahydrofuran
Concen: 23.036 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 6670
Ion Ratio Lower Upper
42 100
72 63.6 43.2 64.8
71 57.1 39.4 59.0

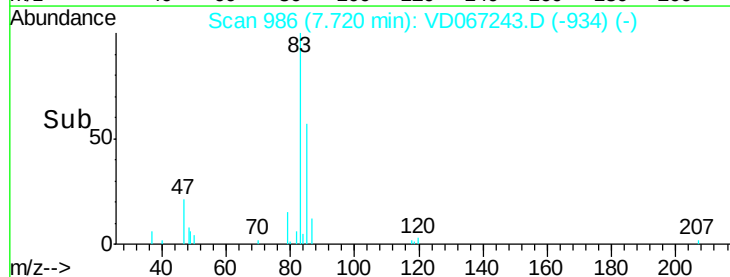
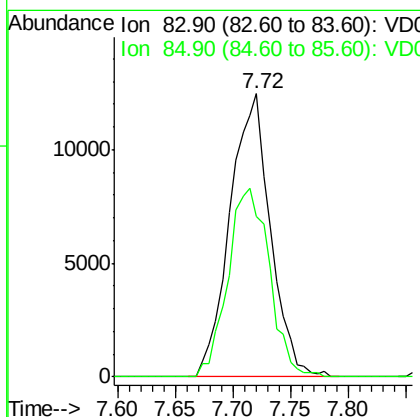
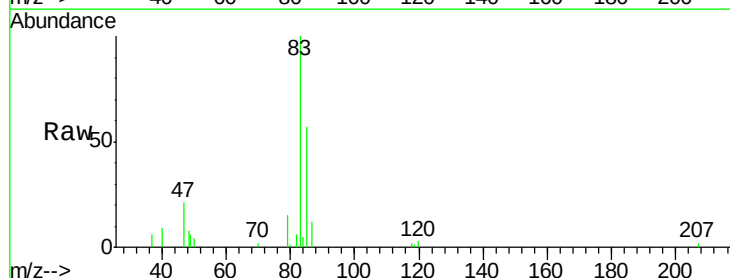
Manual Integrations
APPROVED

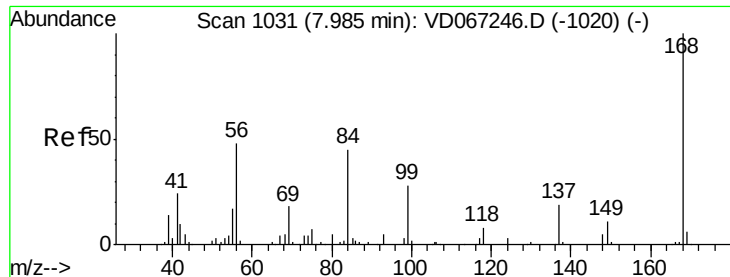
MMDadoda
10/14/2020 2:10:05 PM



#30
Chloroform
Concen: 5.105 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 83 Resp: 30319
Ion Ratio Lower Upper
83 100
85 56.7 47.3 70.9





#31

Cyclohexane

Concen: 5.766 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 22932

Ion Ratio Lower Upper

56 100

69 87.2 29.8 44.6#

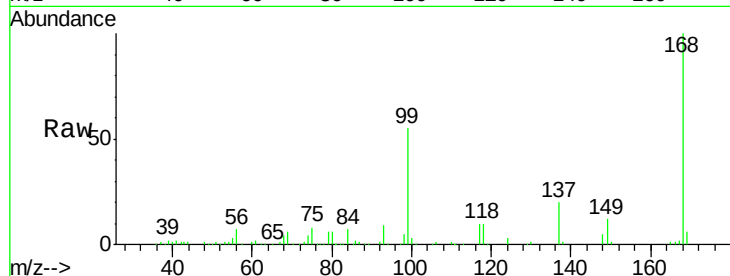
84 101.8 76.6 114.8

Manual Integrations

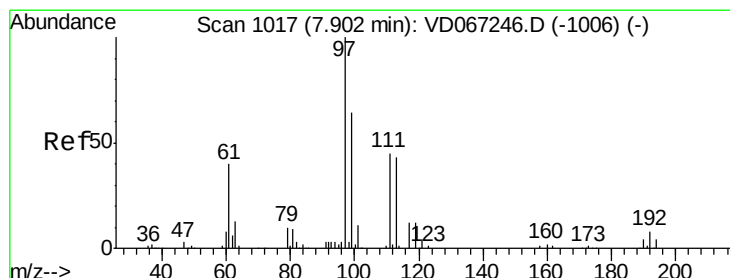
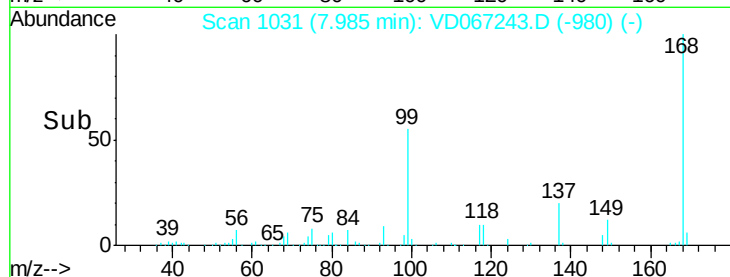
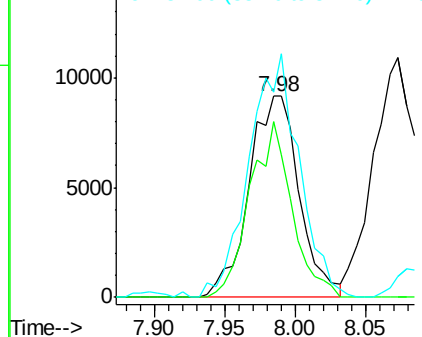
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 5.249 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

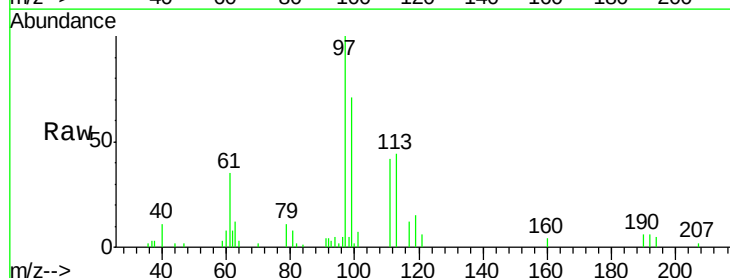
Tgt Ion: 97 Resp: 30598

Ion Ratio Lower Upper

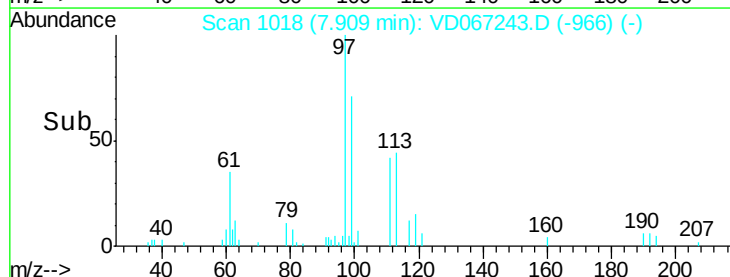
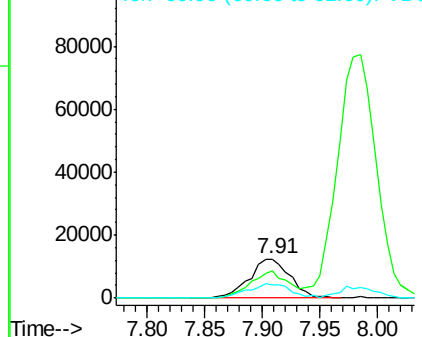
97 100

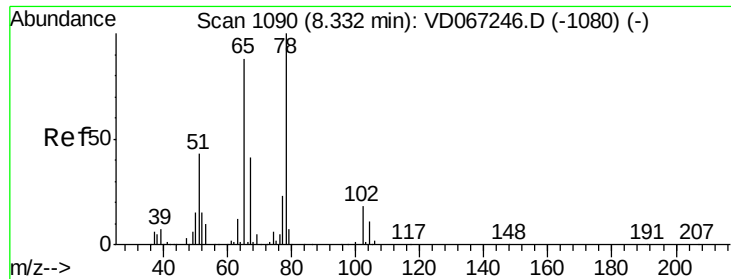
99 63.4 50.2 75.4

61 38.5 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





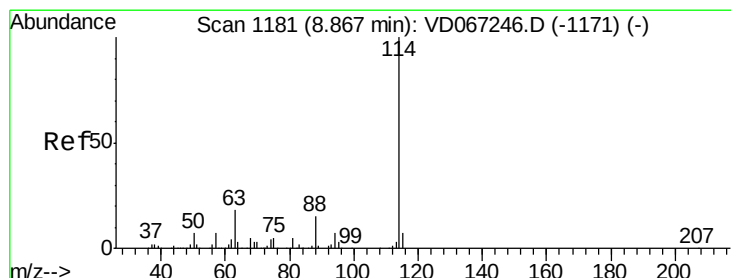
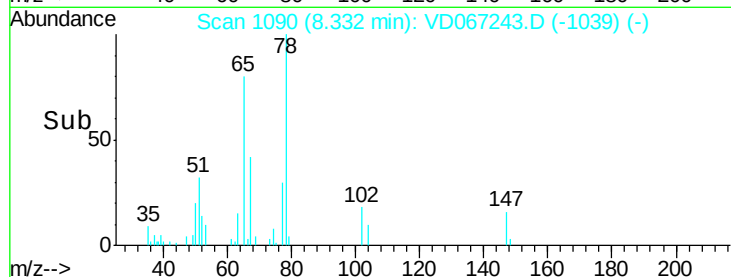
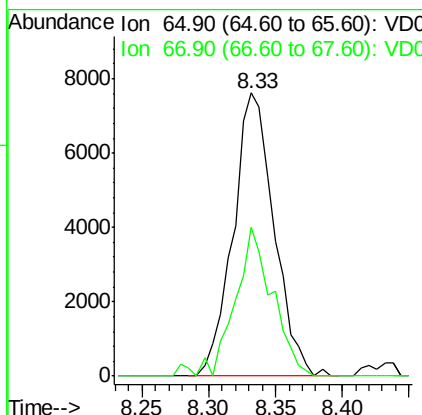
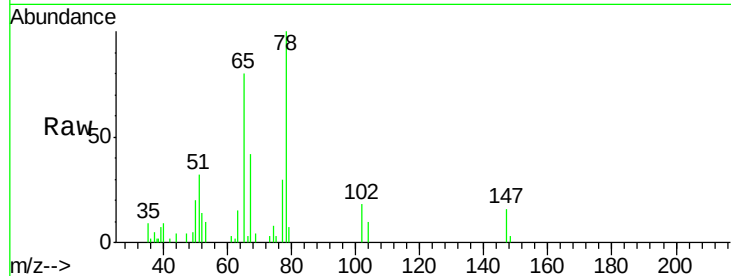
#33
 1,2-Dichloroethane-d4
 Concen: 4.867 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.7	0.0	103.8

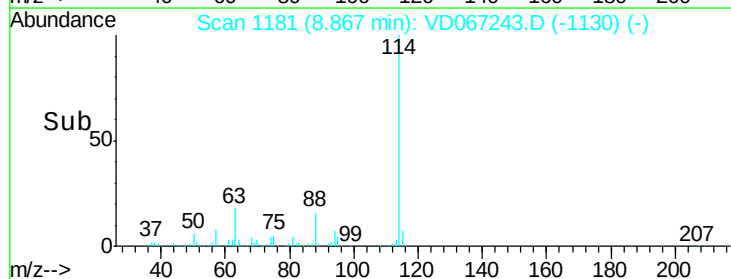
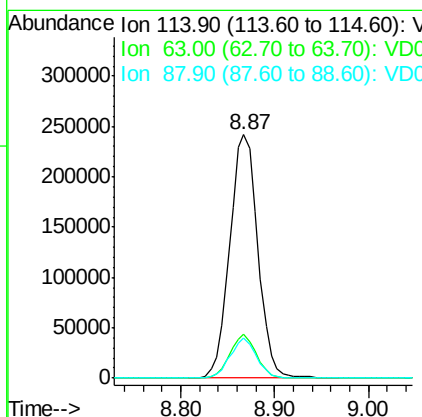
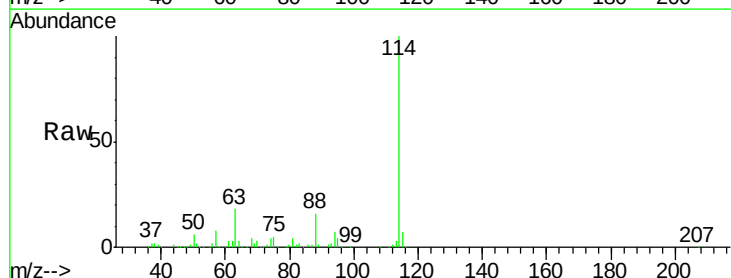
Manual Integrations
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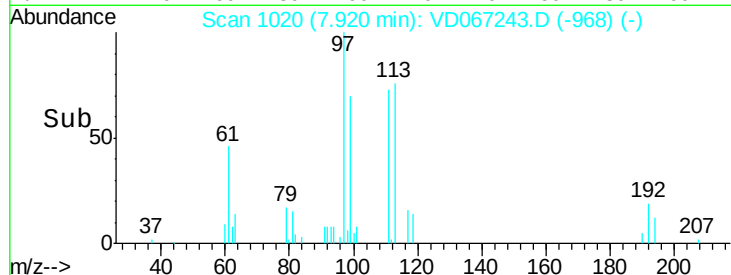
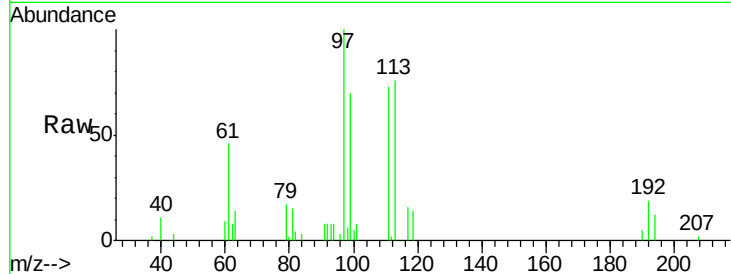
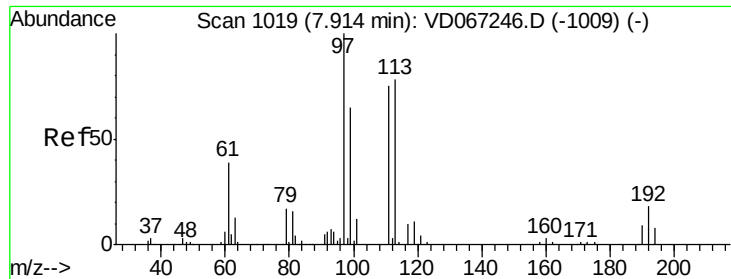
MMDadoda
 10/14/2020 2:10:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.0
88	16.3	0.0	30.6





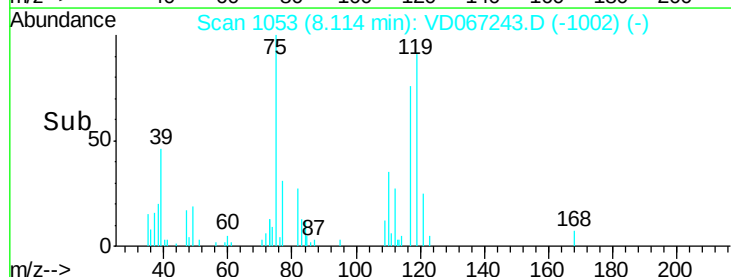
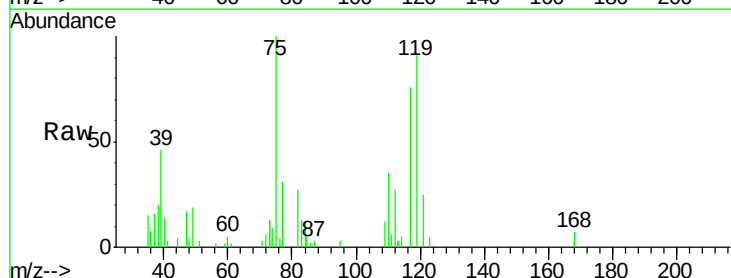
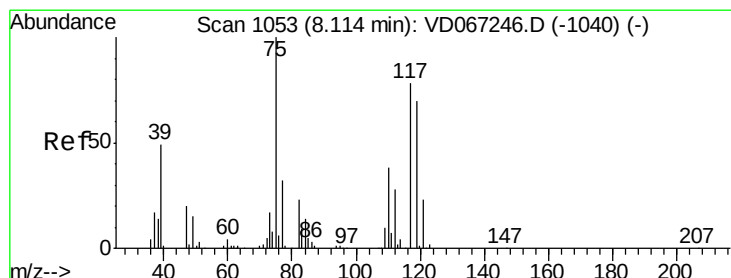
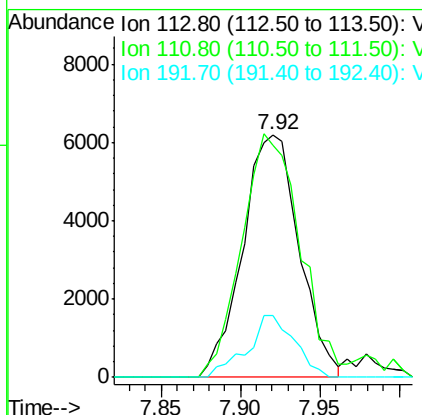
#35
Dibromofluoromethane
Concen: 4.586 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.6	122.4
192	21.2	17.0	25.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

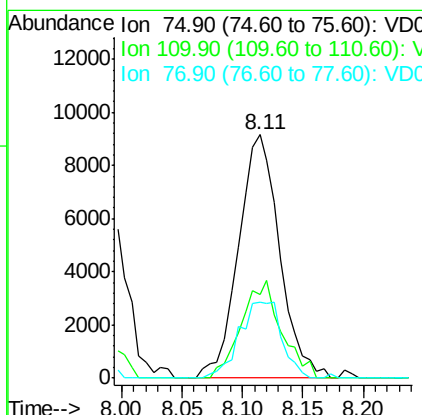
Manual Integrations
APPROVED

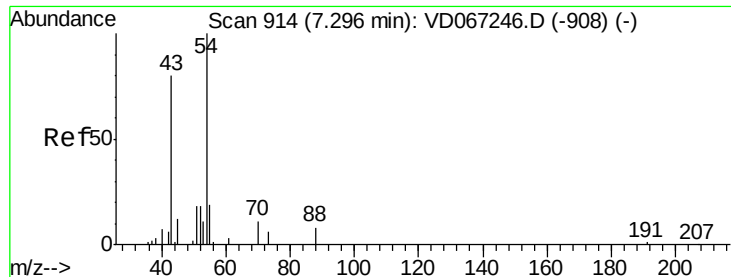
MMDadoda
10/14/2020 2:10:05 PM



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.6	58.7
77	32.3	24.6	37.0





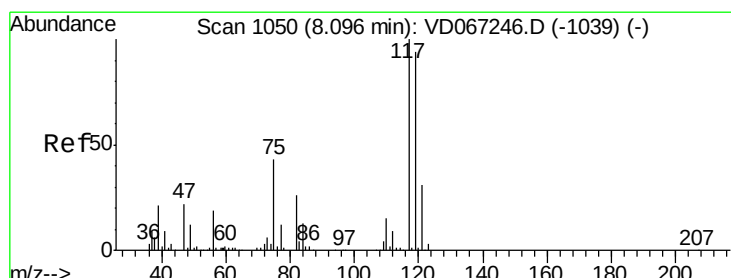
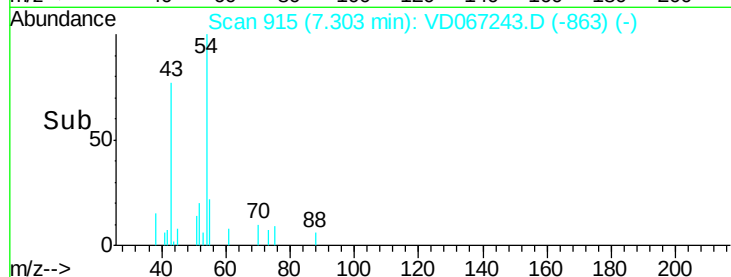
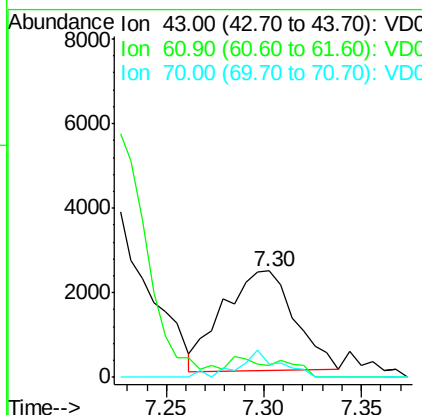
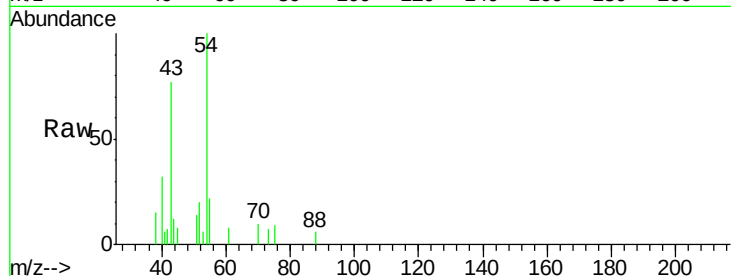
#37
Ethyl Acetate
Concen: 4.727 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	15.4	10.4	15.6

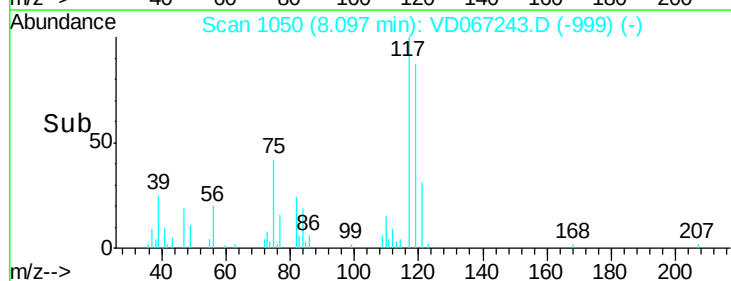
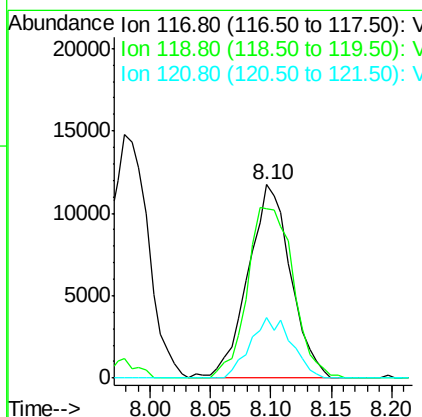
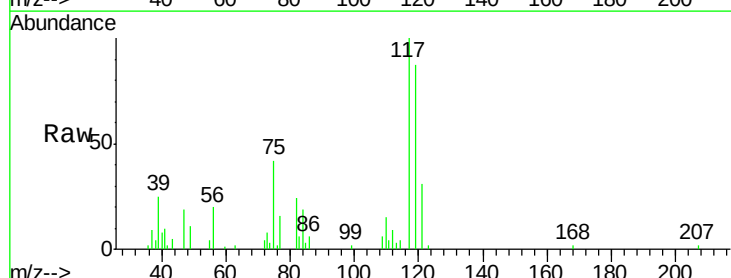
Manual Integrations
APPROVED

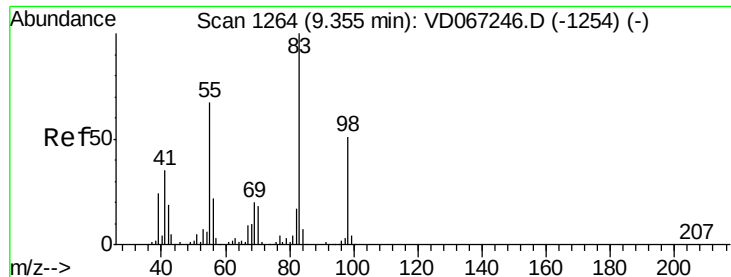
MMDadoda
10/14/2020 2:10:05 PM



#38
Carbon Tetrachloride
Concen: 5.116 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.3	75.0	112.4
121	31.2	24.9	37.3





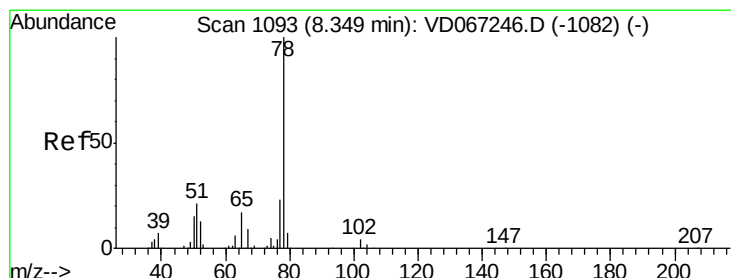
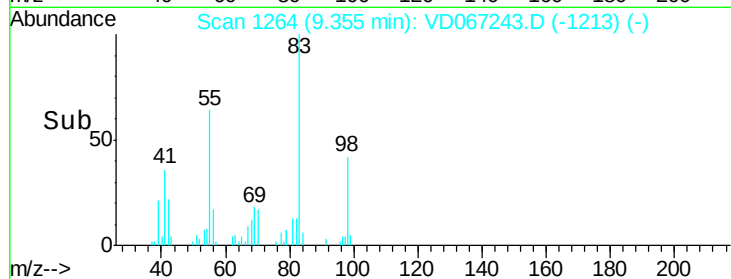
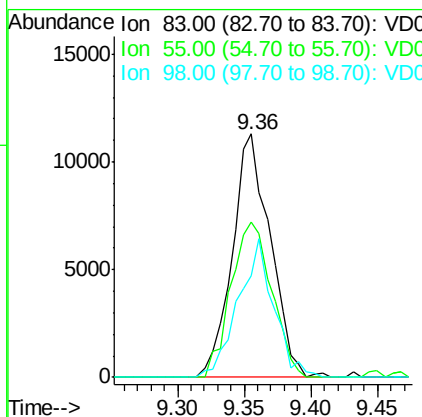
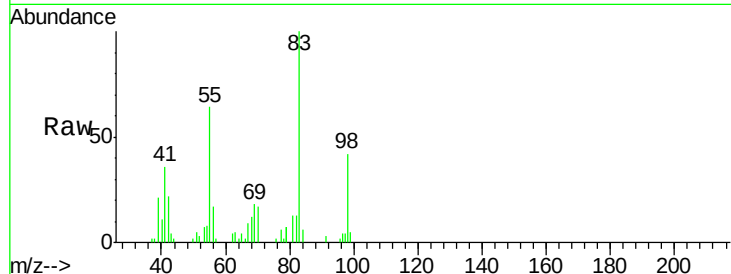
#39
Methylvlcyclohexane
Concen: 4.972 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.8	53.3	79.9
98	41.8	41.0	61.4

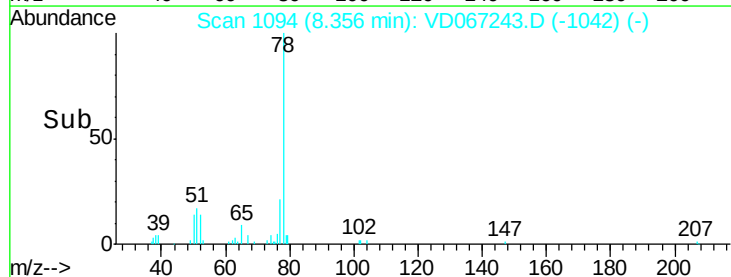
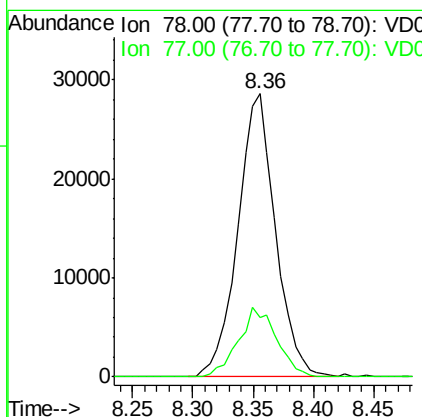
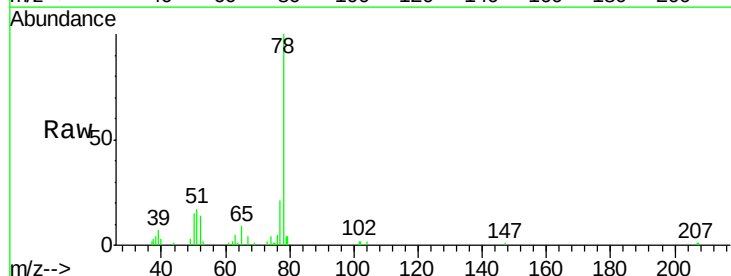
Manual Integrations
APPROVED

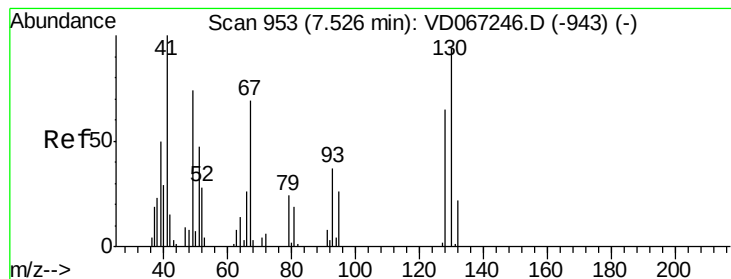
MMDadoda
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#40
Benzene
Concen: 5.125 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	18.3	27.5





#41

Methacrylonitrile

Concen: 5.924 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3209

Ion Ratio Lower Upper

41 100

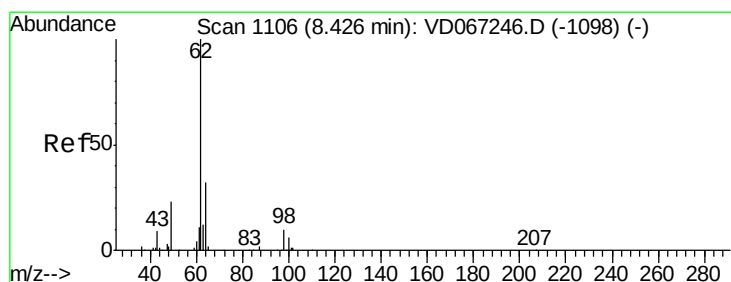
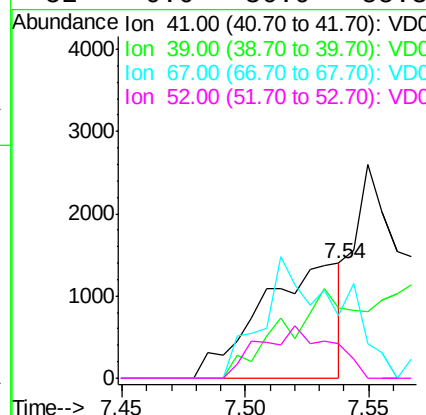
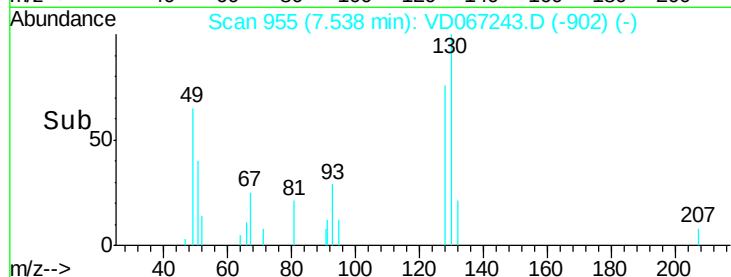
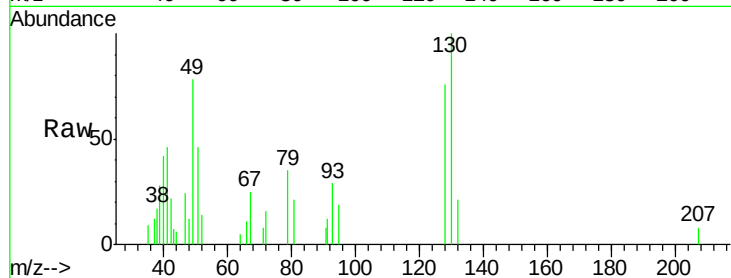
39 0.0 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

Manual Integrations
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10/14/2020 2:10:05 PM



#42

1,2-Dichloroethane

Concen: 5.165 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067243.D

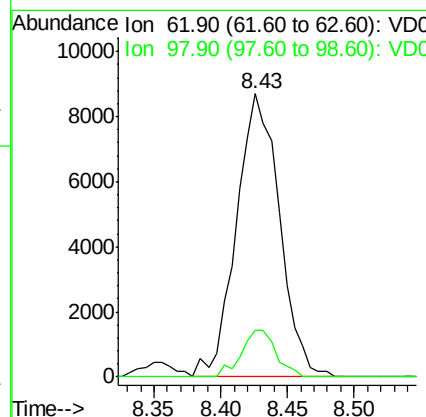
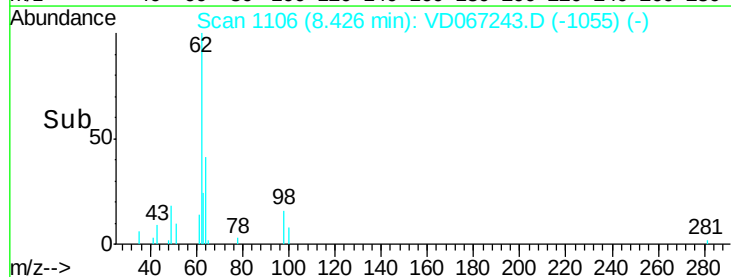
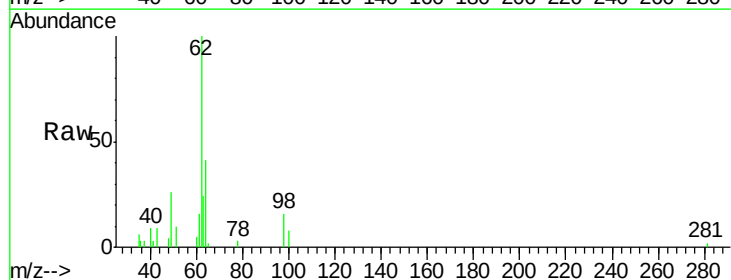
Acq: 13 Oct 2020 10:28

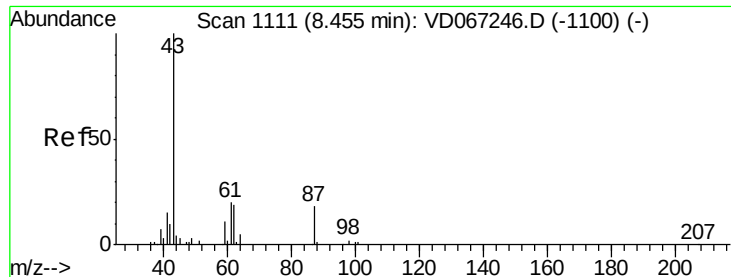
Tgt Ion: 62 Resp: 19472

Ion Ratio Lower Upper

62 100

98 13.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 4.807 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

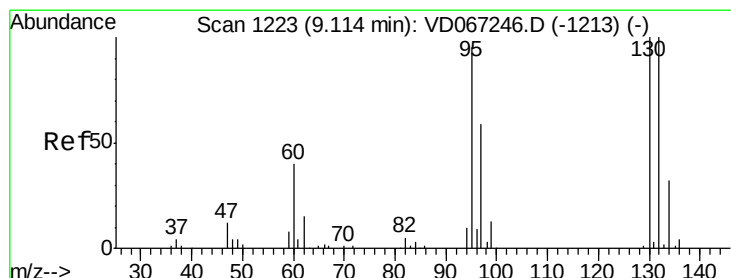
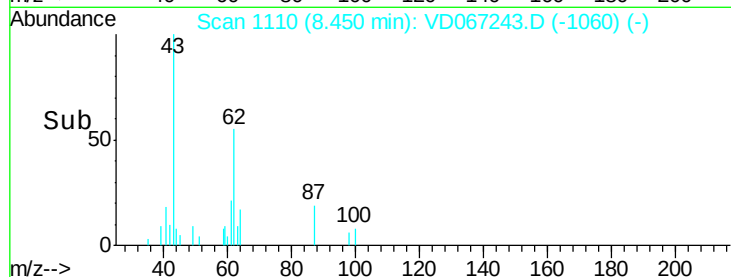
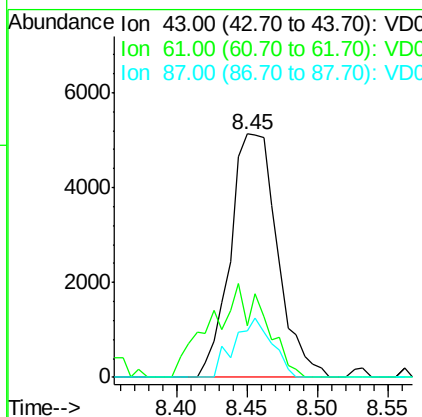
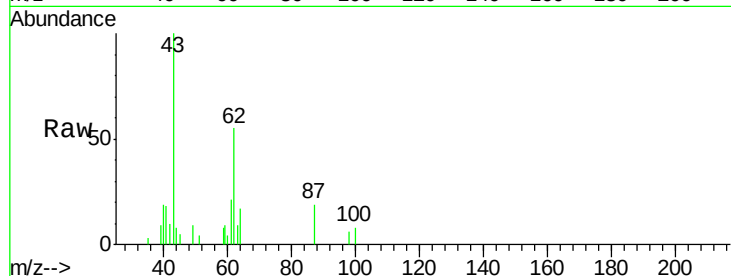
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	11958
Ion	Ratio	Lower	Upper
43	100		
61	44.2	29.5	44.3
87	19.6	14.2	21.4

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#44

Trichloroethene

Concen: 4.948 ug/l

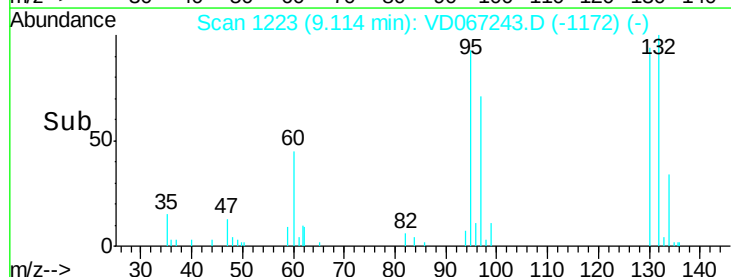
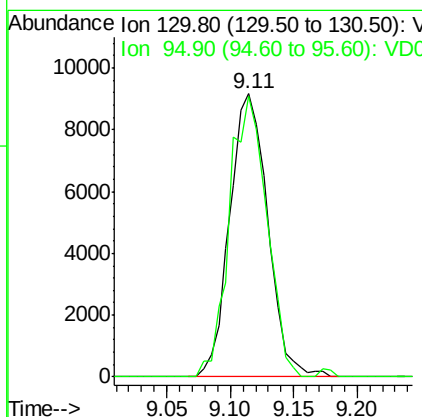
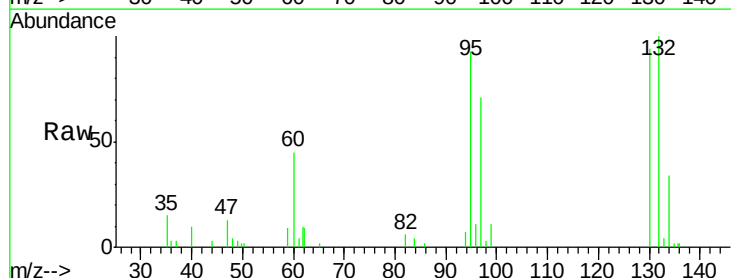
RT: 9.11 min Scan# 1223

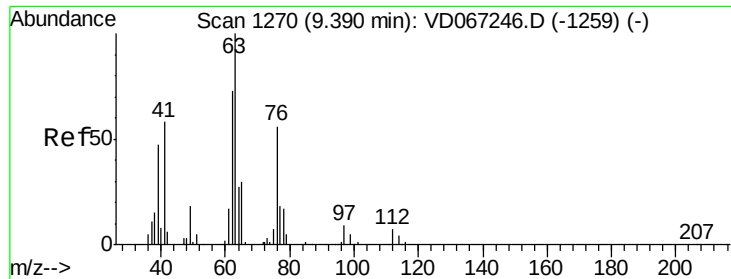
Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	130	Resp:	19078
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	190.6





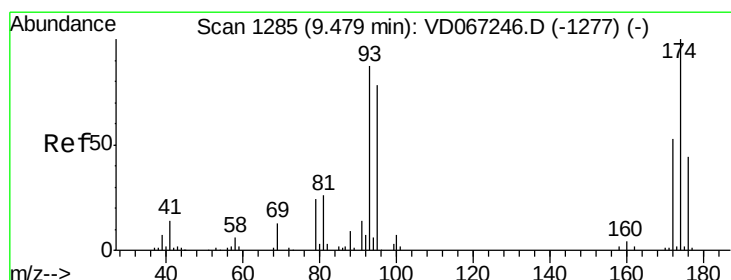
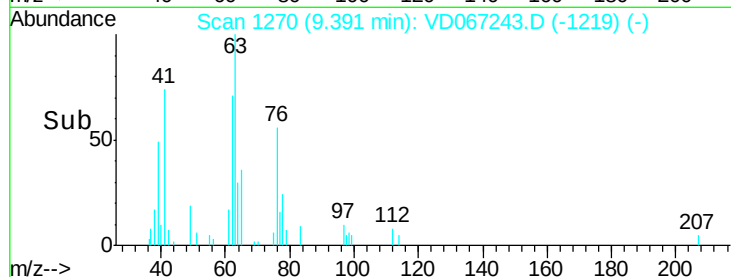
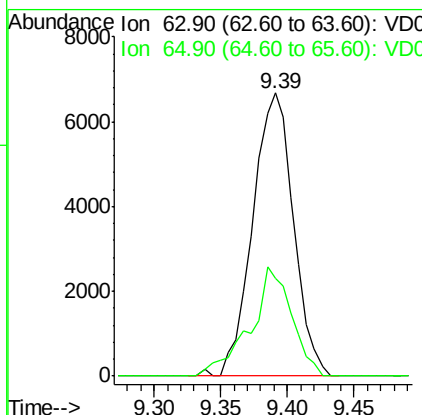
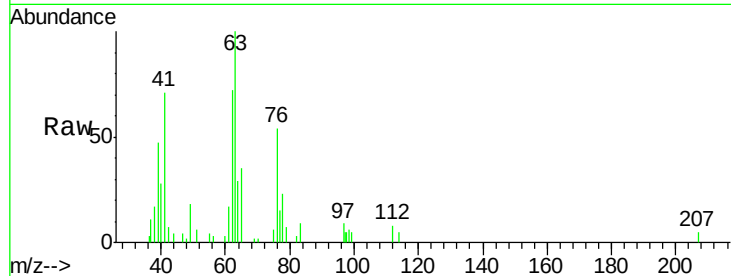
#45
 1,2-Dichloropropane
 Concen: 5.078 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 14072
 Ion Ratio Lower Upper
 63 100
 65 34.7 24.6 36.8

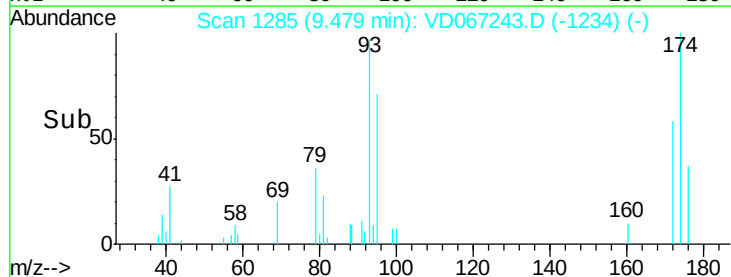
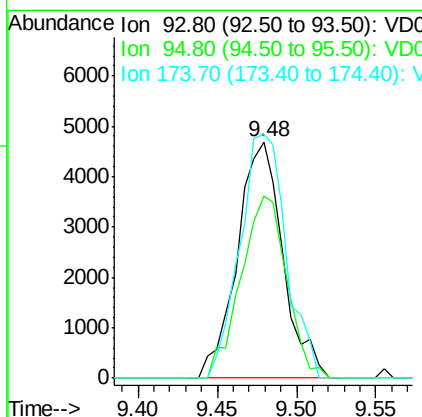
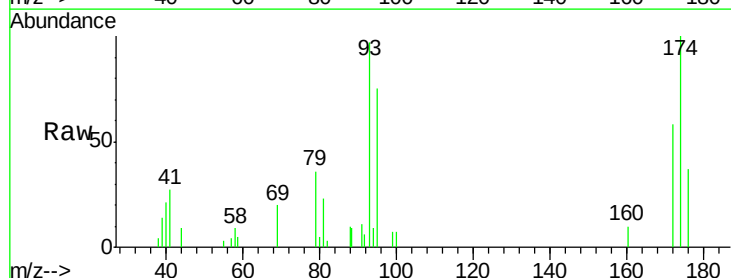
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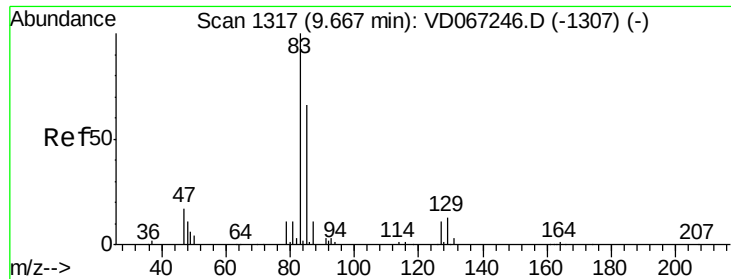
MMDadoda
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#46
 Dibromomethane
 Concen: 5.372 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion: 93 Resp: 9373
 Ion Ratio Lower Upper
 93 100
 95 77.1 68.0 102.0
 174 105.1 91.8 137.6





#47

Bromodichloromethane

Concen: 5.001 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

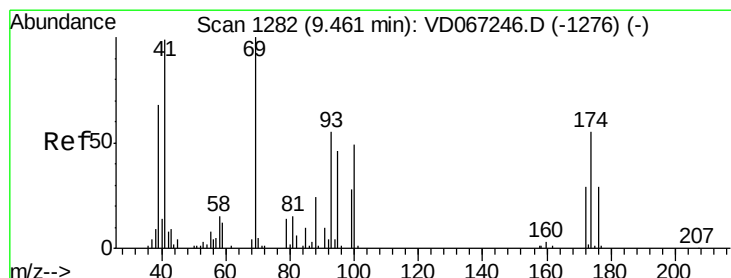
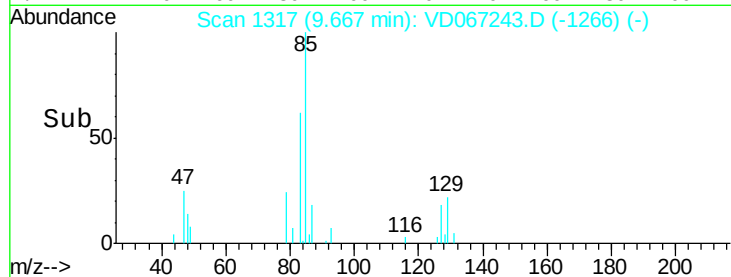
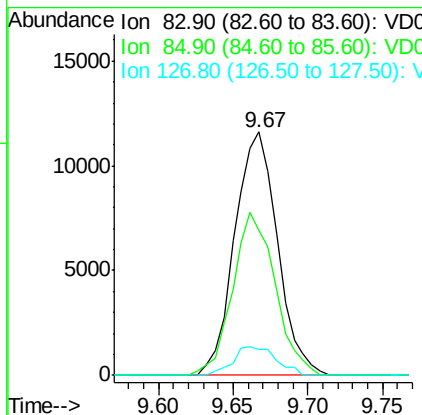
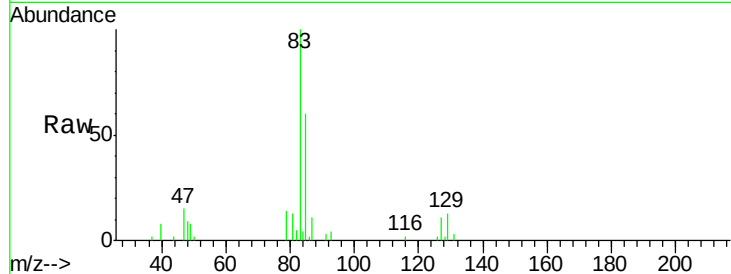
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23105
Ion	Ratio	Lower	Upper
83	100		
85	59.8	53.1	79.7
127	10.8	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.768 ug/l

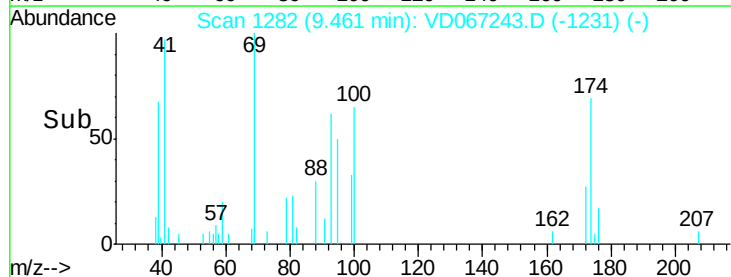
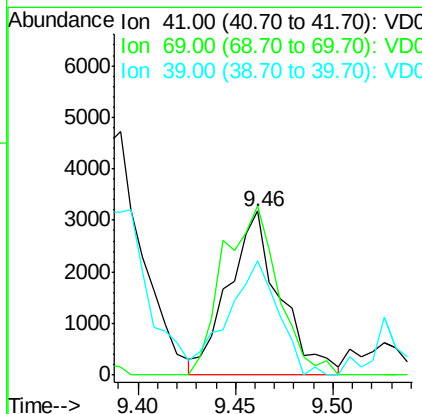
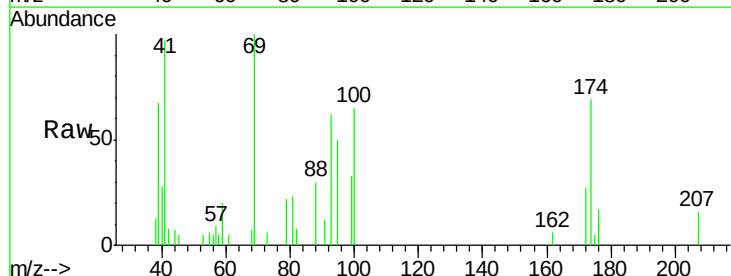
RT: 9.46 min Scan# 1282

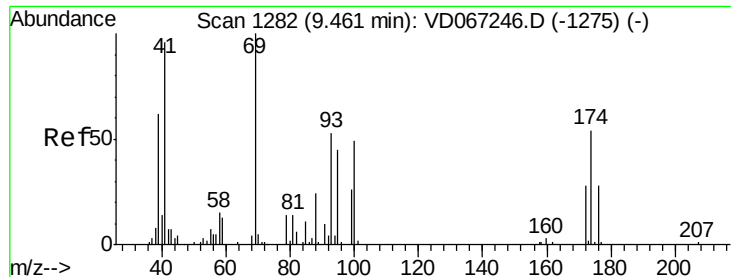
Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	41	Resp:	5779
Ion	Ratio	Lower	Upper
41	100		
69	110.8	89.0	133.6
39	68.9	60.2	90.2





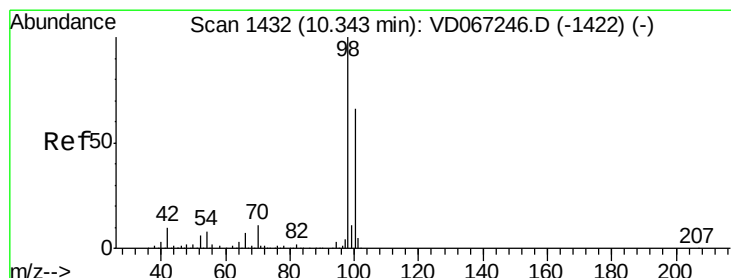
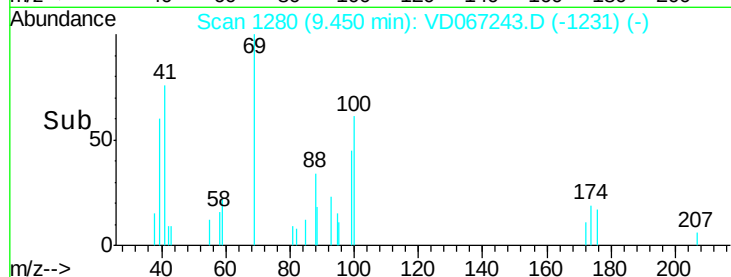
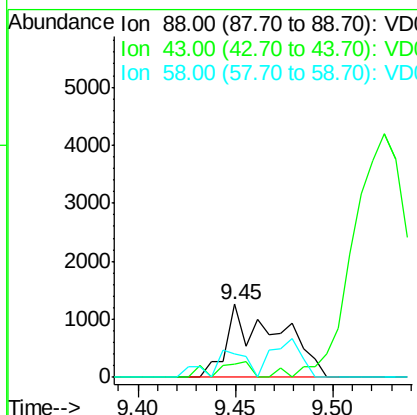
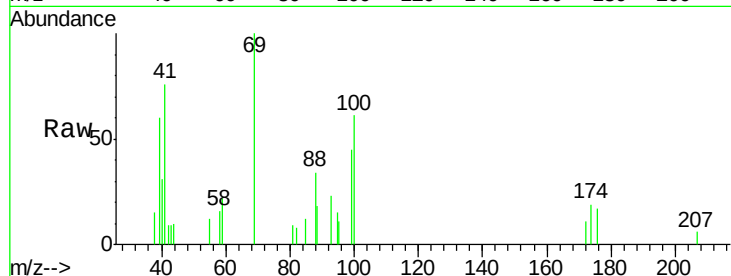
#49
1,4-Dioxane
Concen: 124.937 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	14.0	23.9	35.9#
58	24.8	51.0	76.6#

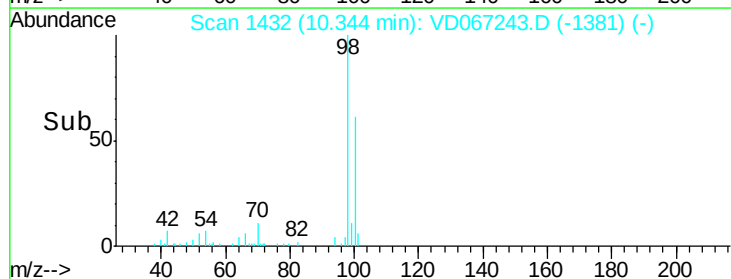
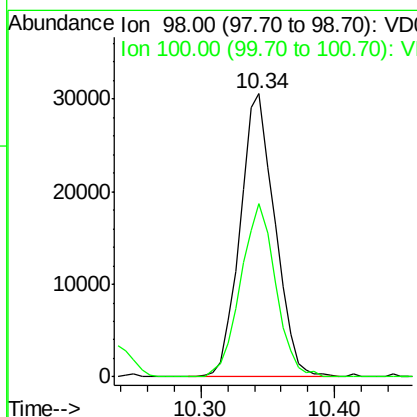
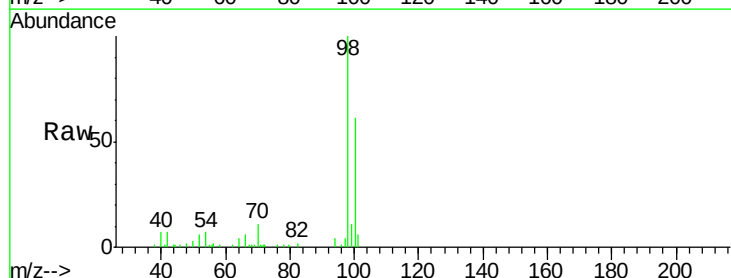
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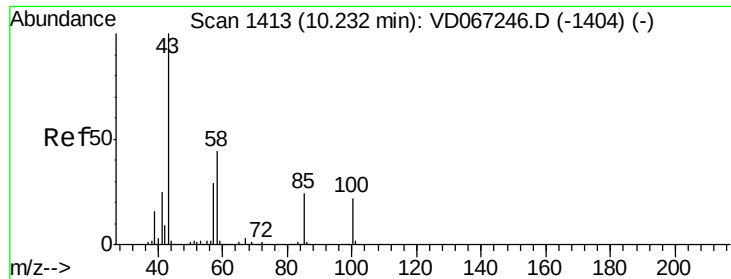
MMDadoda
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#50
Toluene-d8
Concen: 4.538 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.4	53.1	79.7





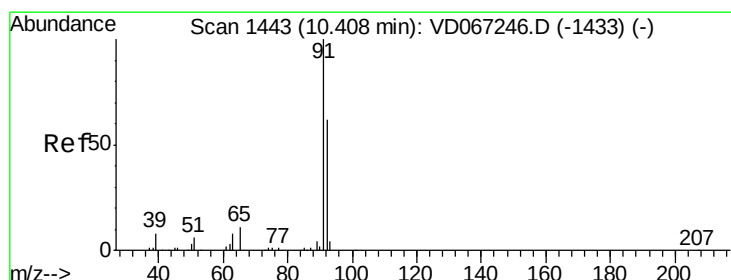
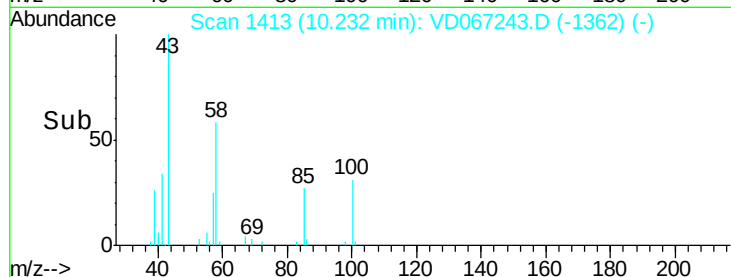
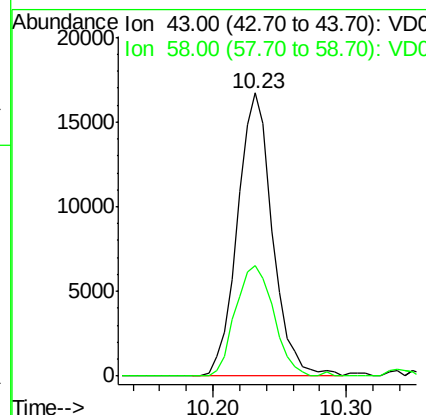
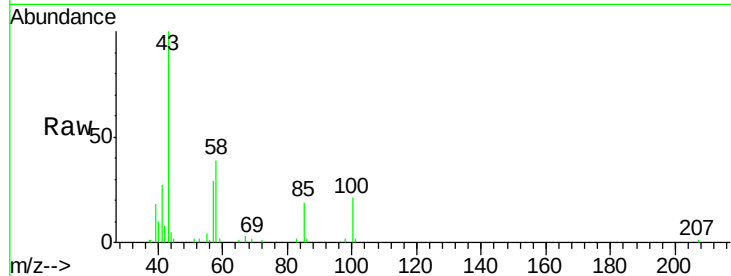
#51
4-Methyl-2-Pentanone
Concen: 24.037 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30345
Ion Ratio Lower Upper
43 100
58 42.5 35.7 53.5

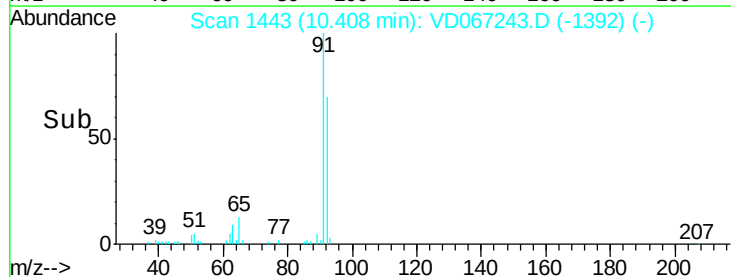
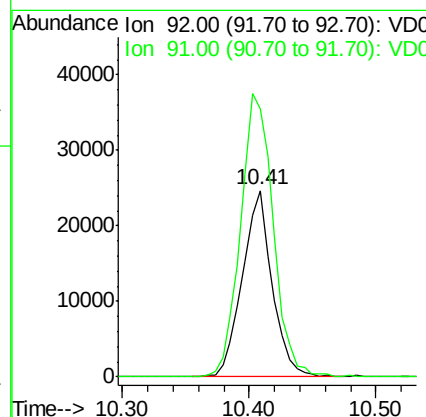
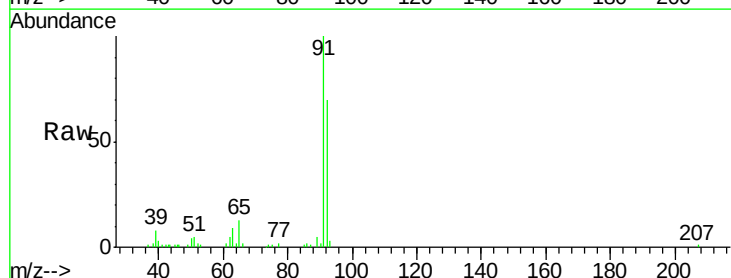
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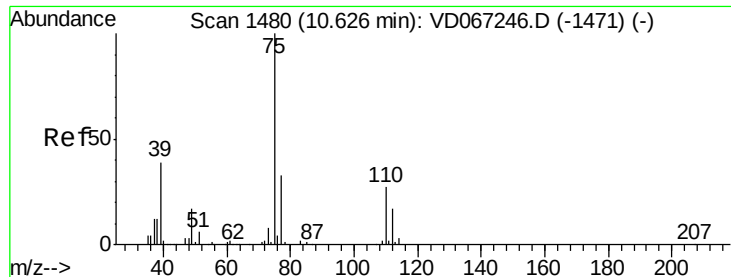
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#52
Toluene
Concen: 4.900 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 92 Resp: 40026
Ion Ratio Lower Upper
92 100
91 167.2 133.8 200.8





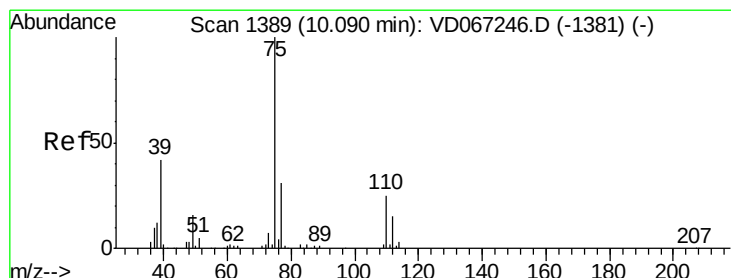
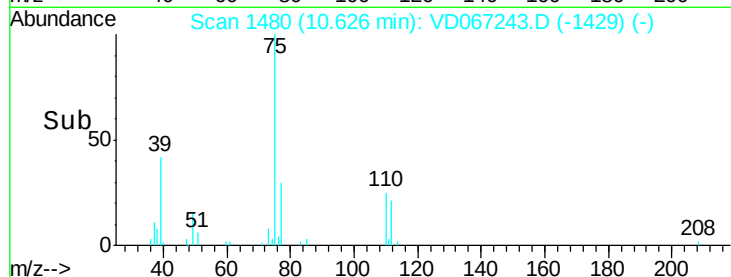
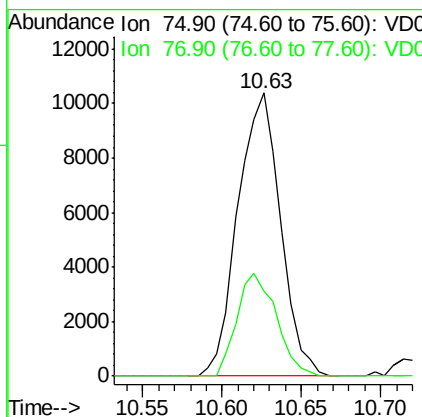
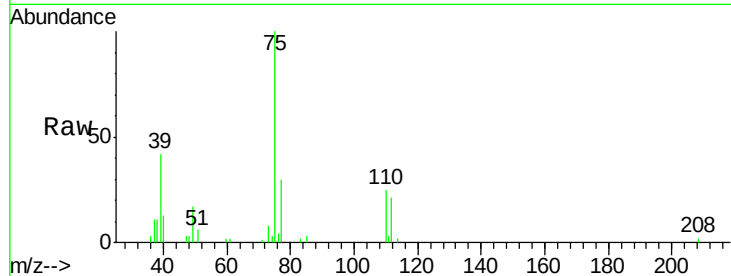
#53
t-1,3-Dichloropropene
Concen: 4.828 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 19403
Ion Ratio Lower Upper
75 100
77 30.2 26.5 39.7

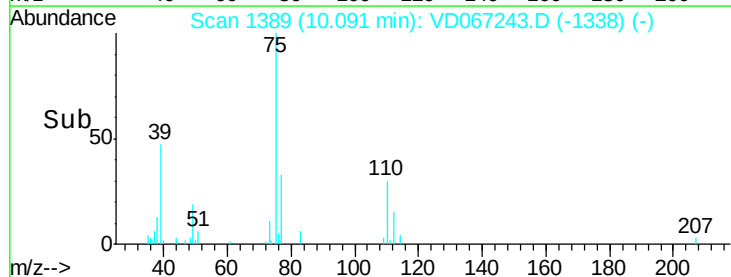
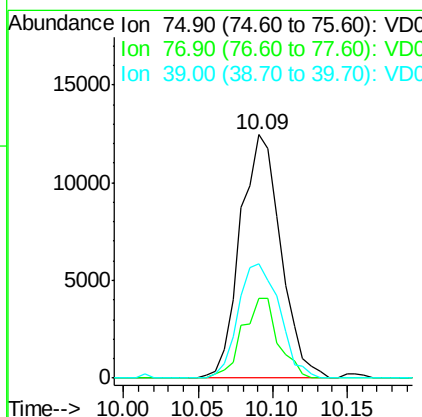
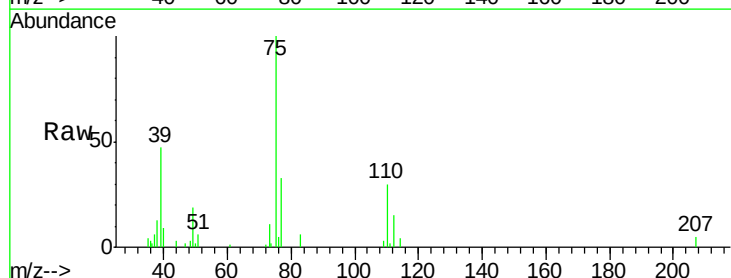
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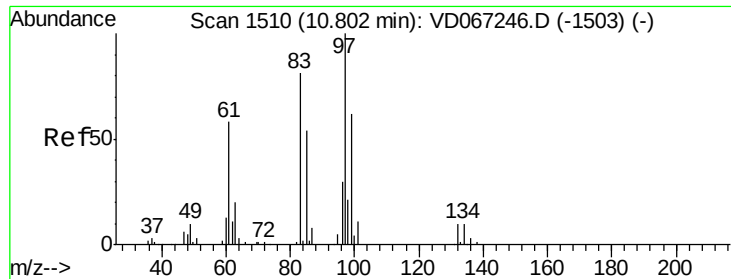
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#54
cis-1,3-Dichloropropene
Concen: 4.980 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 75 Resp: 23449
Ion Ratio Lower Upper
75 100
77 33.0 24.5 36.7
39 46.7 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 4.880 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

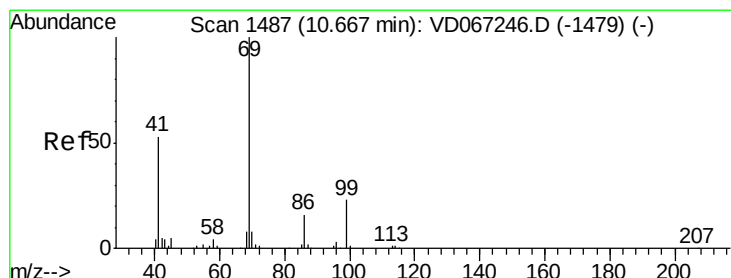
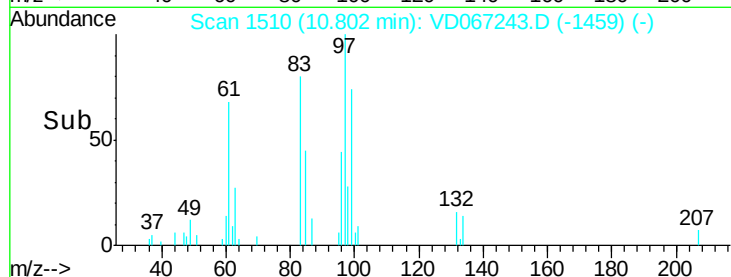
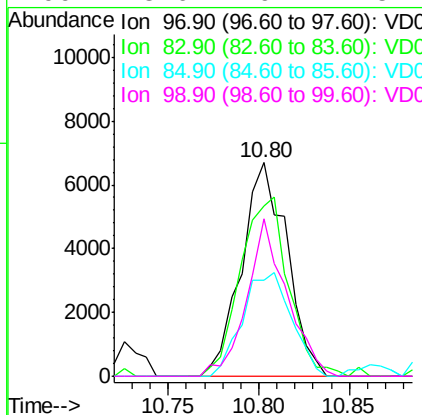
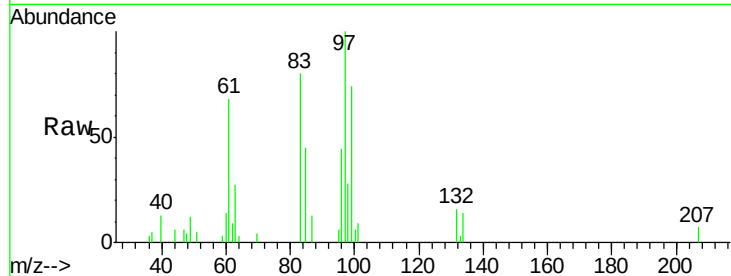
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	11691
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.9	97.3
85	45.2	43.3	64.9
99	73.6	49.1	73.7

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#56

Ethyl methacrylate

Concen: 4.641 ug/l

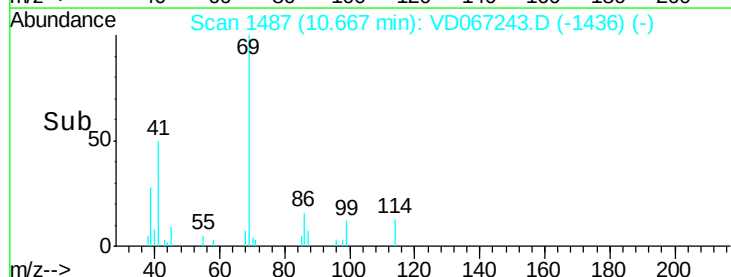
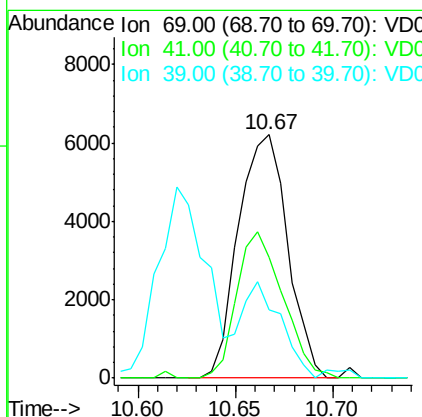
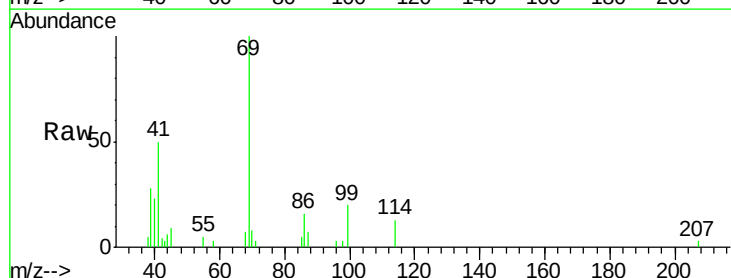
RT: 10.67 min Scan# 1487

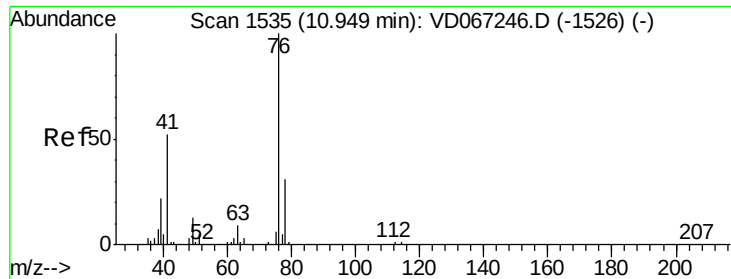
Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	69	Resp:	10863
Ion	Ratio	Lower	Upper
69	100		
41	56.6	44.7	67.1
39	29.2	26.2	39.2





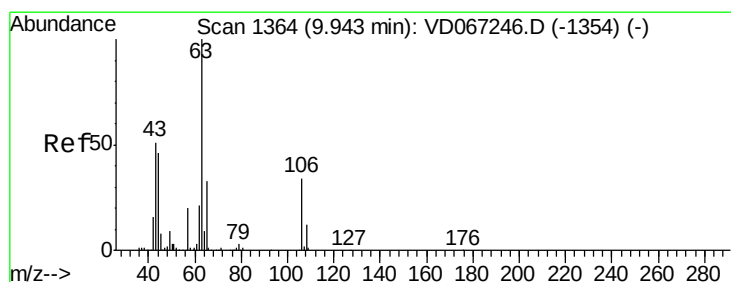
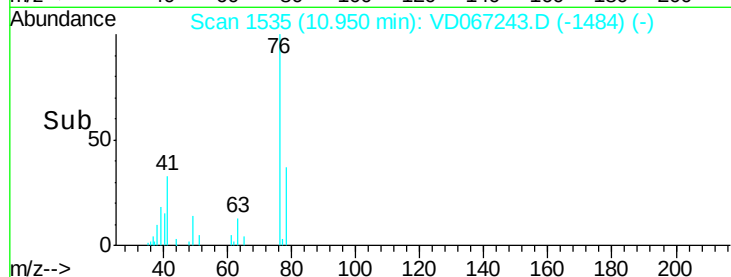
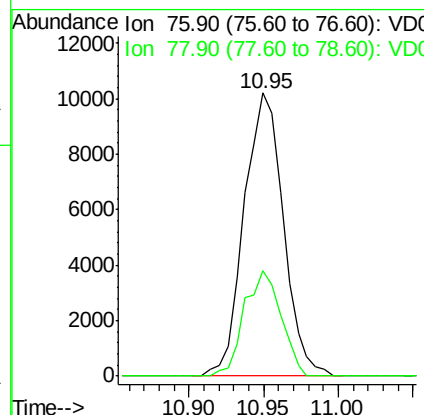
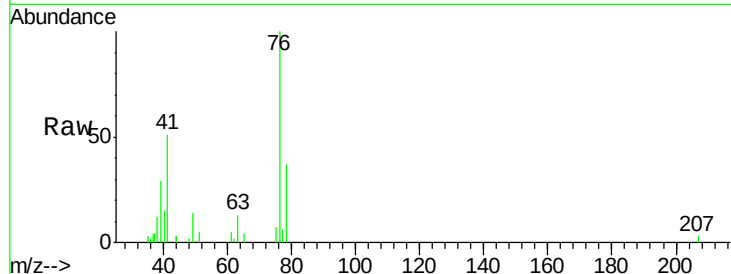
#57
 1,3-Dichloropropane
 Concen: 4.963 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.9	26.8	40.2

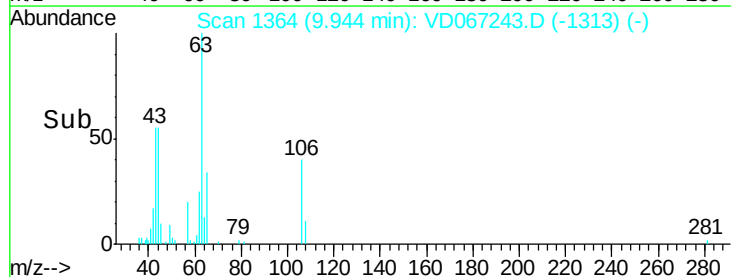
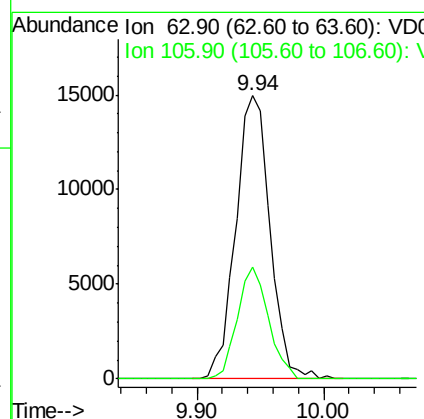
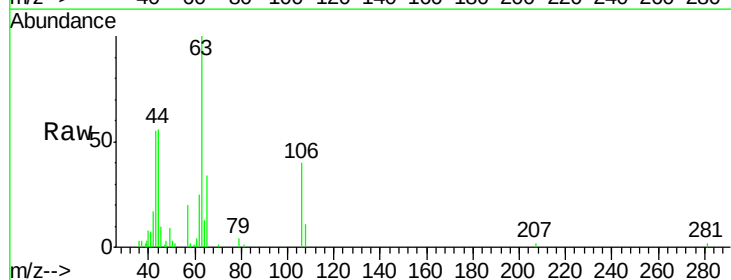
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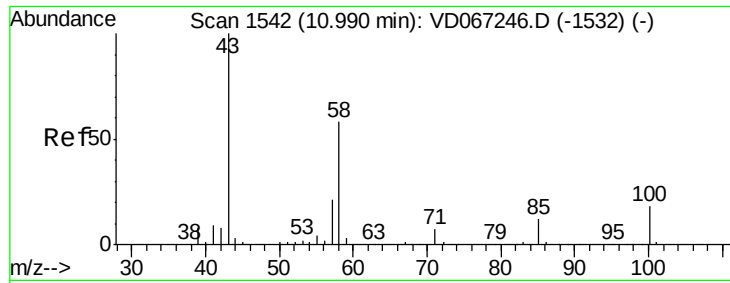
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.116 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.8	27.8	41.6





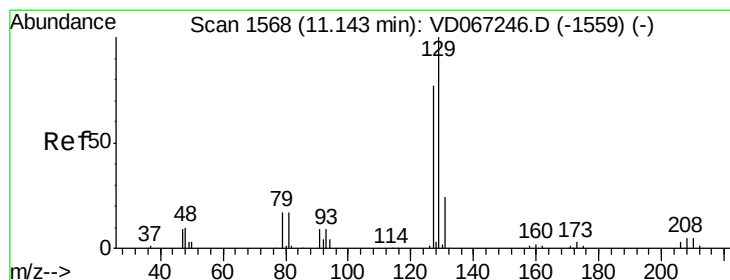
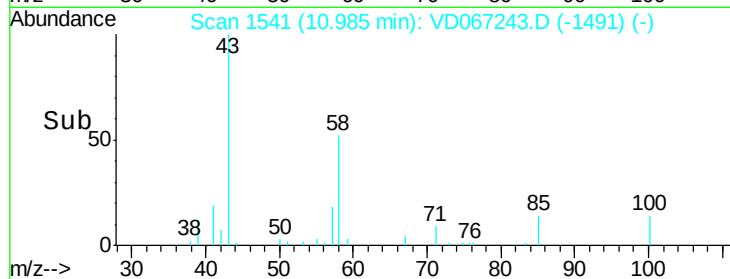
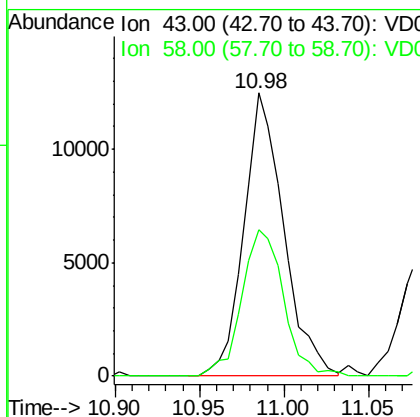
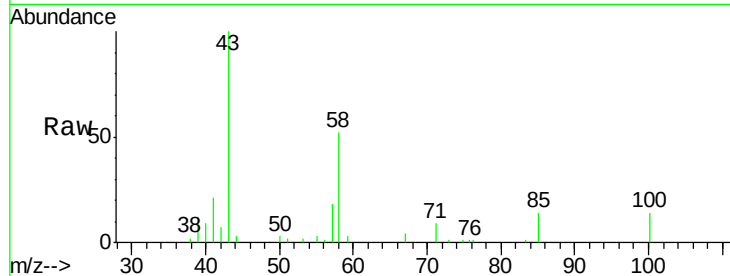
#59
2-Hexanone
Concen: 24.096 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20484
Ion Ratio Lower Upper
43 100
58 54.3 29.3 87.9

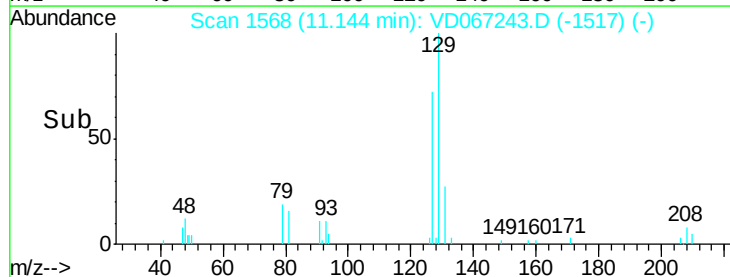
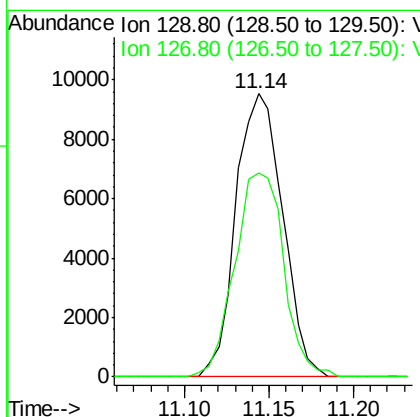
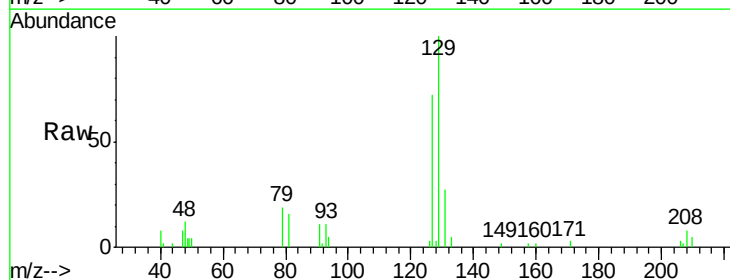
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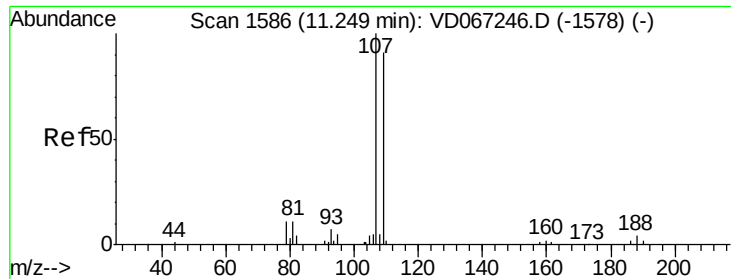
MMDadoda
10/14/2020 2:10:05 PM



#60
Dibromochloromethane
Concen: 5.302 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 129 Resp: 18345
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 5.113 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 11925

Ion Ratio Lower Upper

107 100

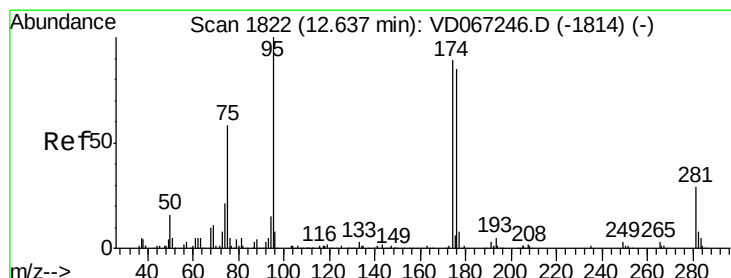
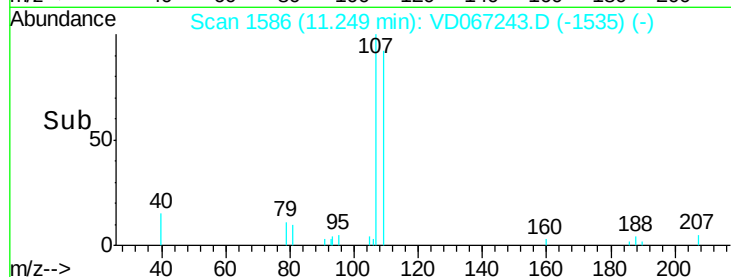
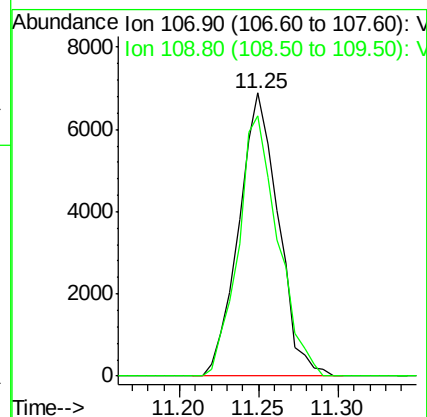
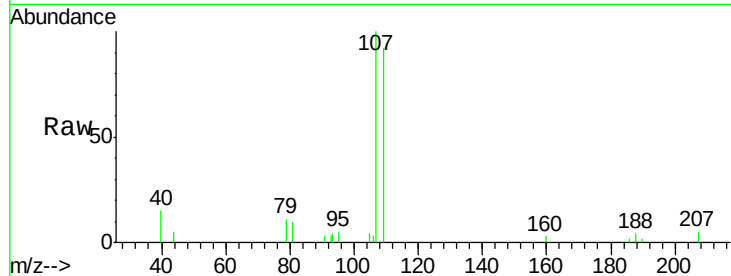
109 92.6 74.6 112.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 4.479 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

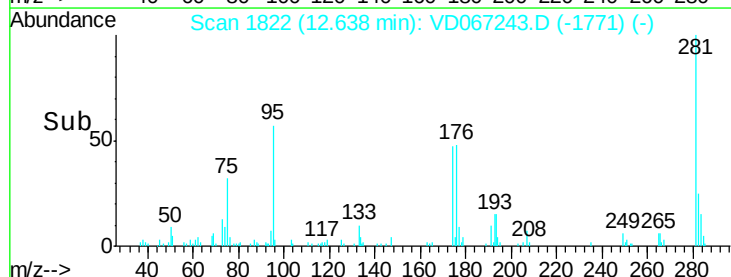
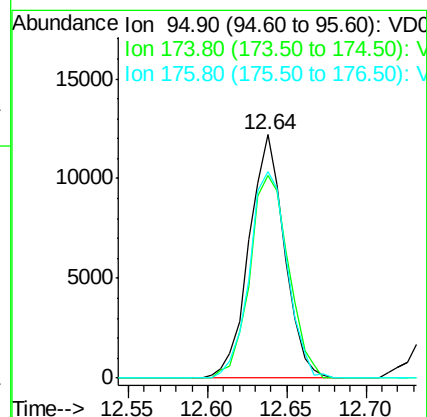
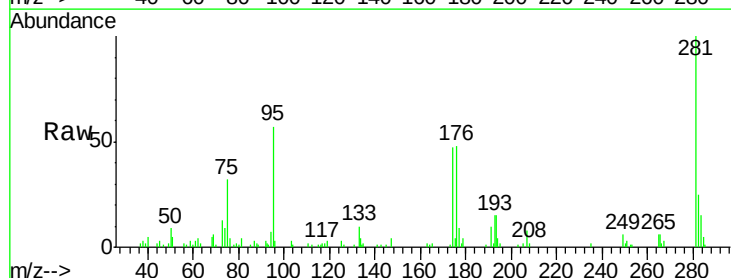
Tgt Ion: 95 Resp: 18941

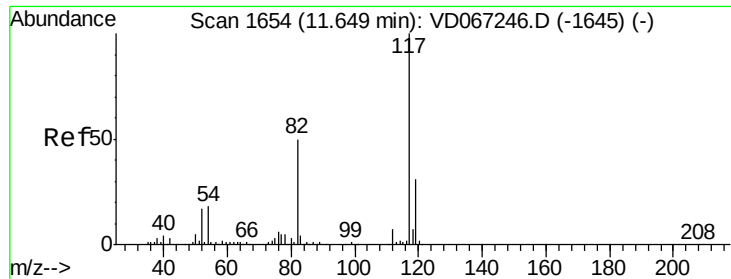
Ion Ratio Lower Upper

95 100

174 91.1 0.0 175.2

176 90.0 0.0 168.6





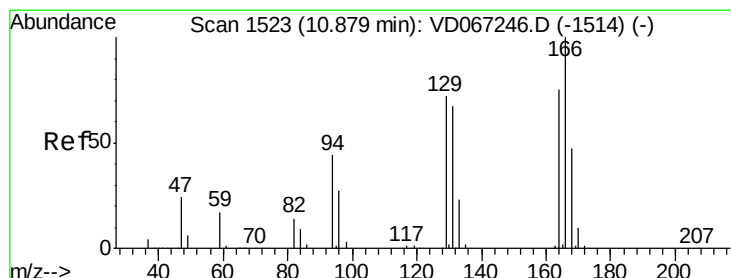
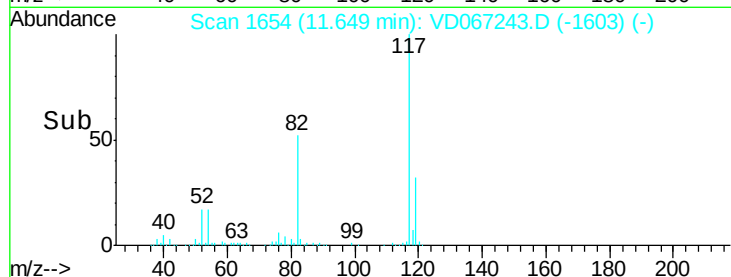
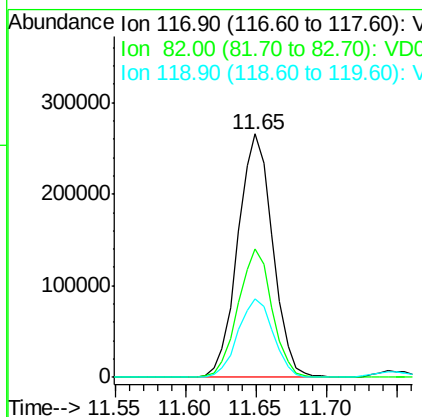
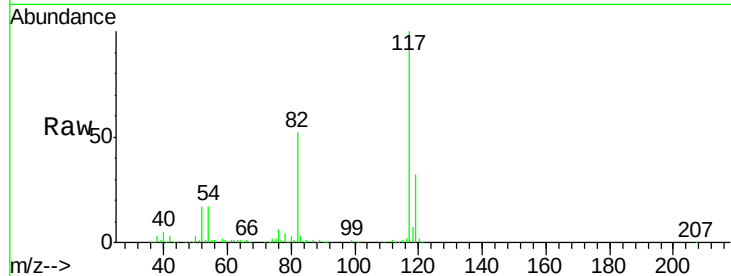
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459205		
82	52.4		39.9	59.9
119	32.0		24.9	37.3

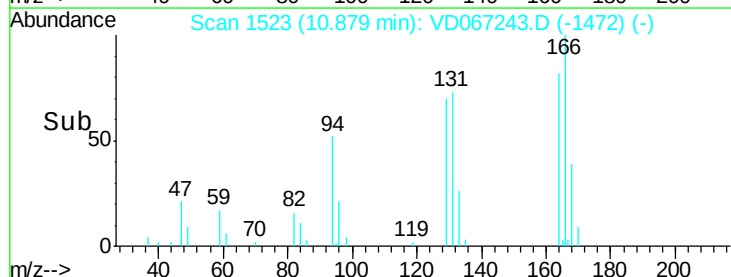
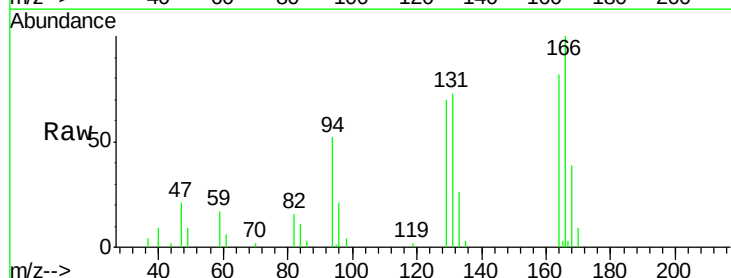
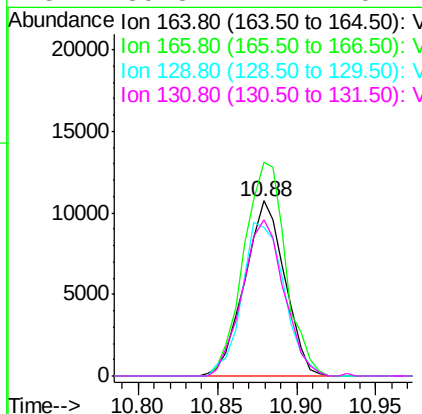
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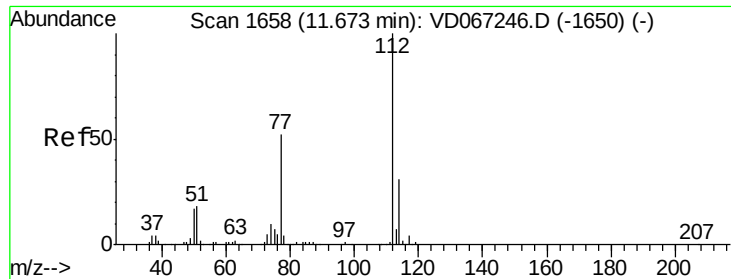
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#64
Tetrachloroethene
Concen: 5.424 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18980		
166	122.1		107.3	160.9
129	84.9		77.3	115.9
131	89.3		71.4	107.2





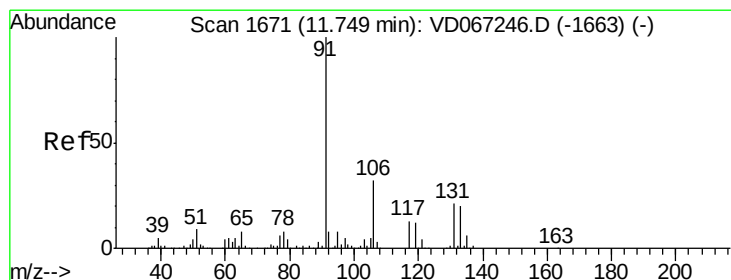
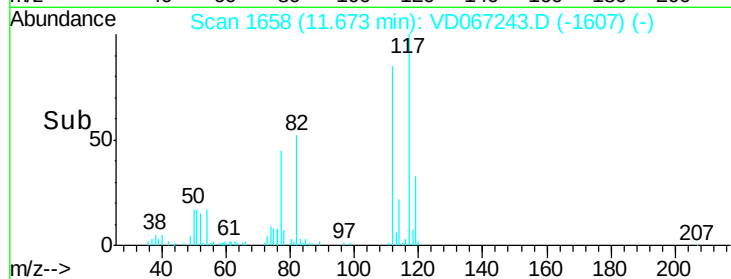
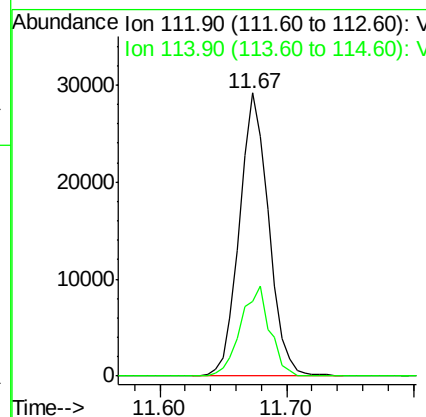
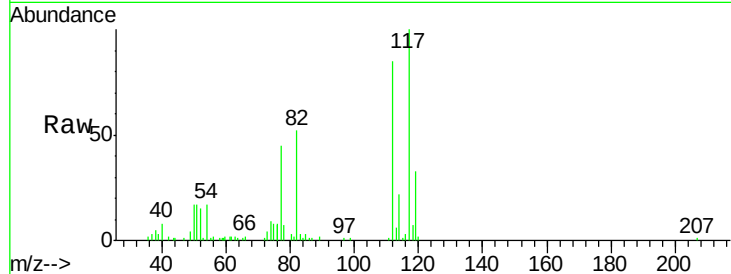
#65
Chlorobenzene
Concen: 5.105 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 46633
Ion Ratio Lower Upper
112 100
114 26.4 25.0 37.4

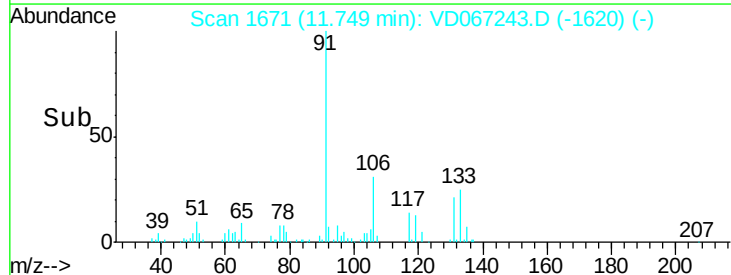
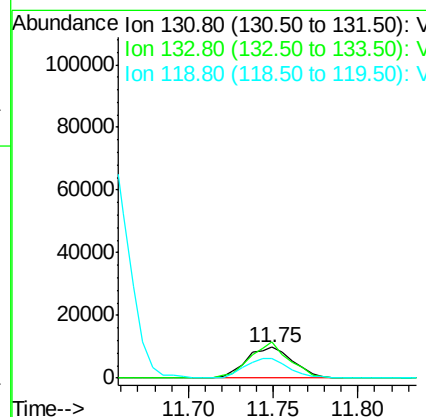
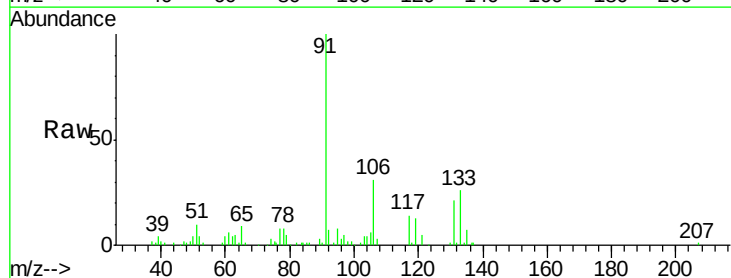
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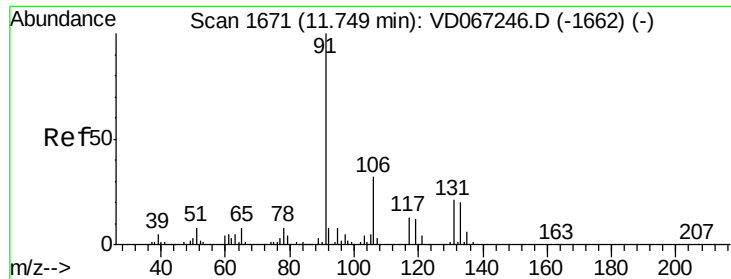
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.169 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion:131 Resp: 18747
Ion Ratio Lower Upper
131 100
133 99.9 48.1 144.3
119 61.3 30.0 90.0





#67

Ethyl Benzene

Concen: 4.883 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 75044

Ion Ratio Lower Upper

91 100

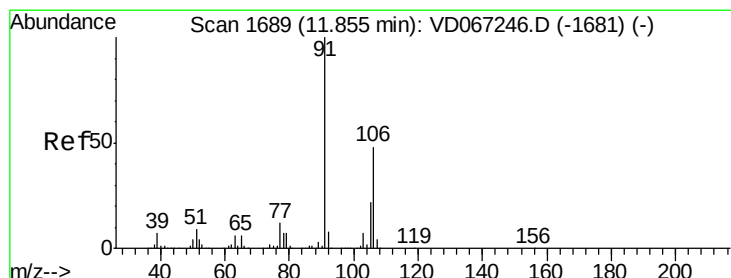
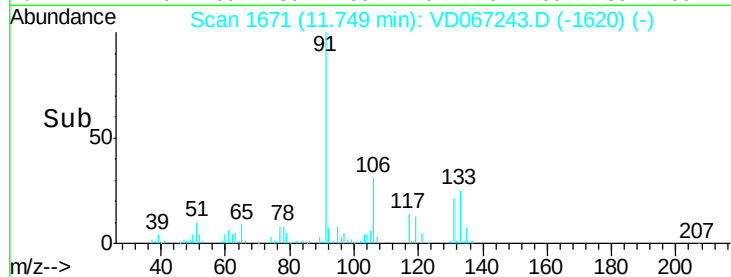
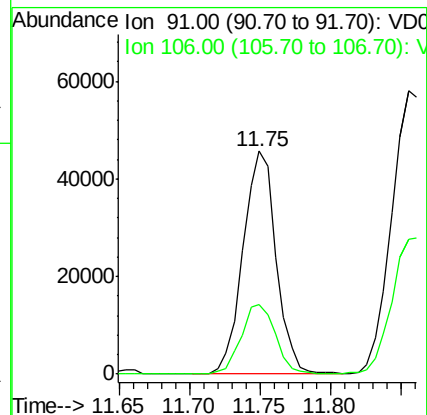
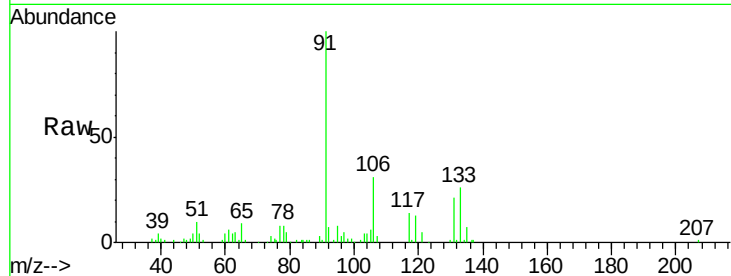
106 31.4 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.594 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067243.D

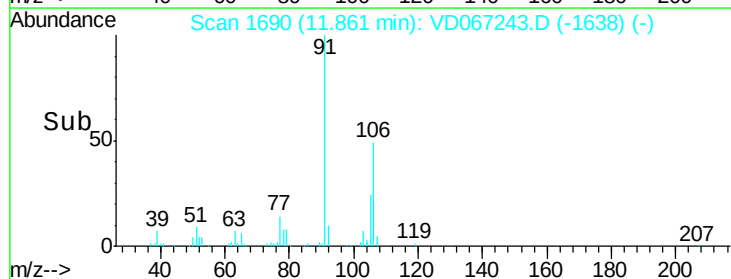
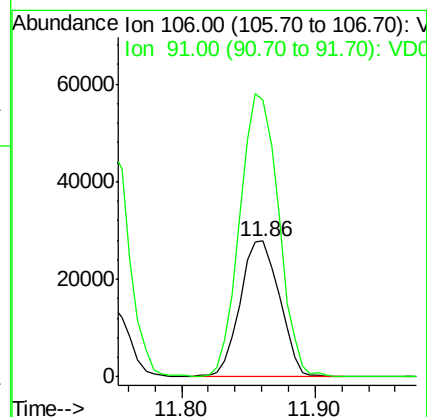
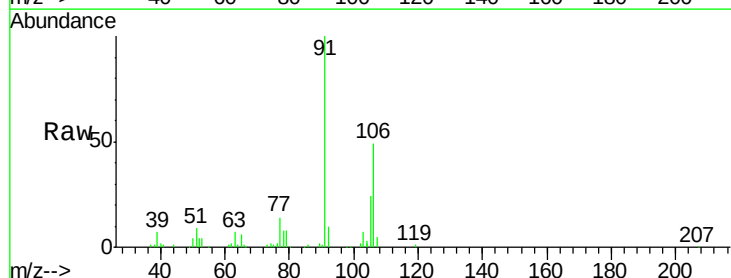
Acq: 13 Oct 2020 10:28

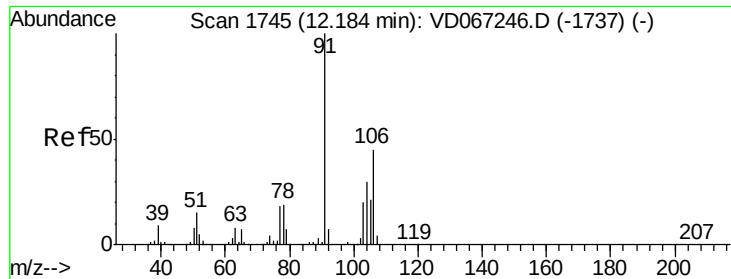
Tgt Ion: 106 Resp: 57282

Ion Ratio Lower Upper

106 100

91 203.5 163.8 245.8





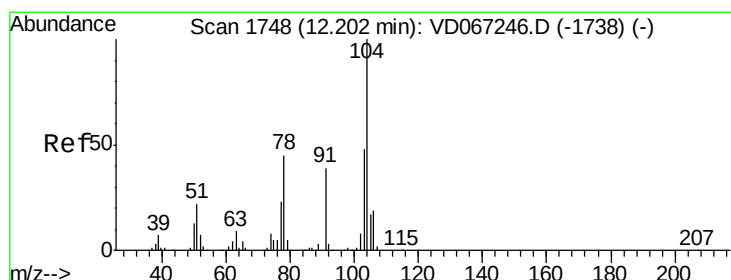
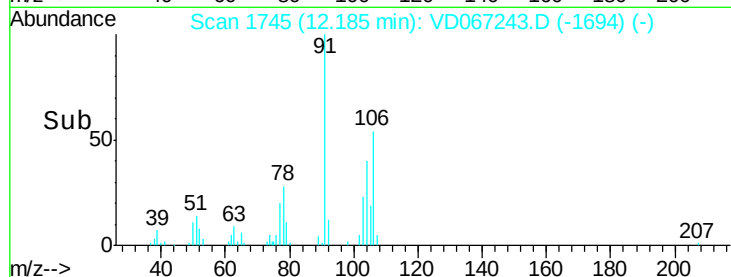
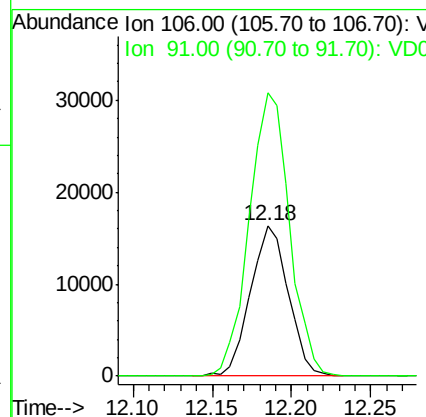
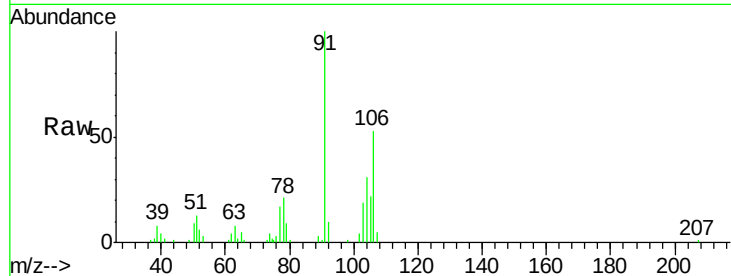
#69
o-Xylene
Concen: 4.924 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		27185		
91	200.2	109.1	327.3		

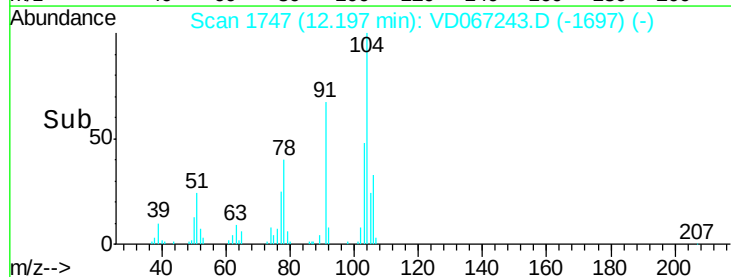
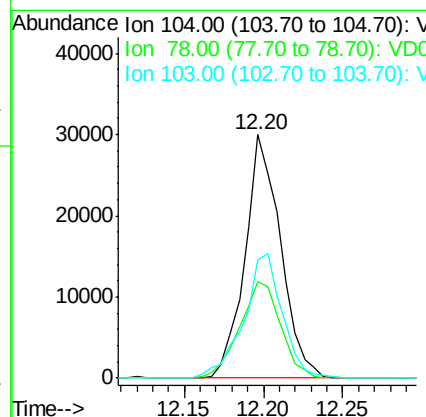
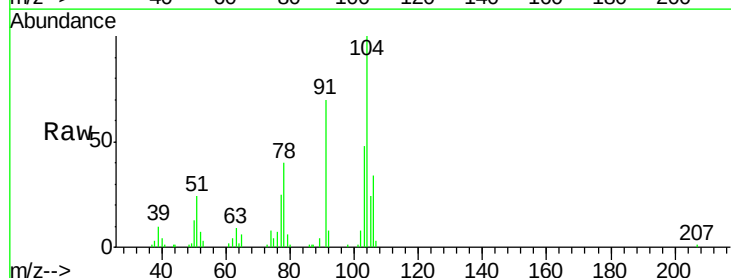
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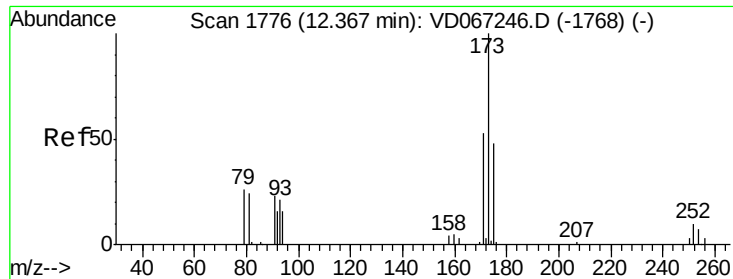
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#70
Styrene
Concen: 4.933 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		46795		
78	45.7	39.8	59.6		
103	55.3	42.6	64.0		





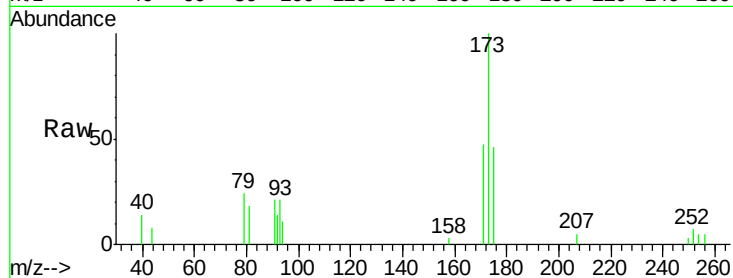
#71
Bromoform
Concen: 5.146 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

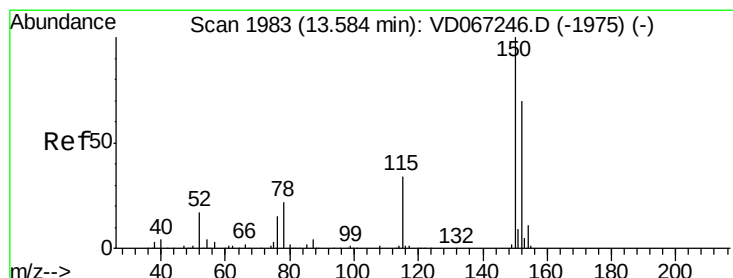
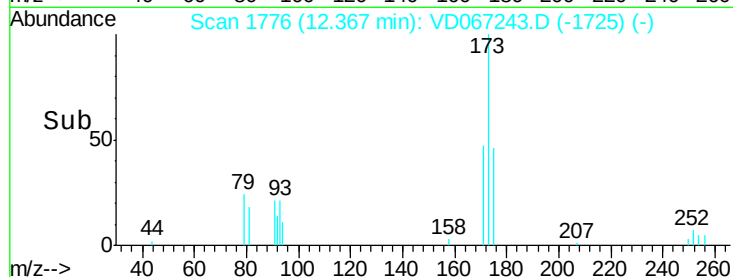
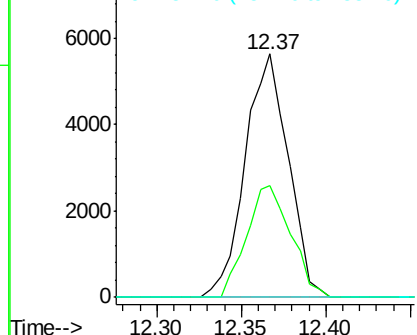
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.2	72.6
254	0.0	0.1	0.1#

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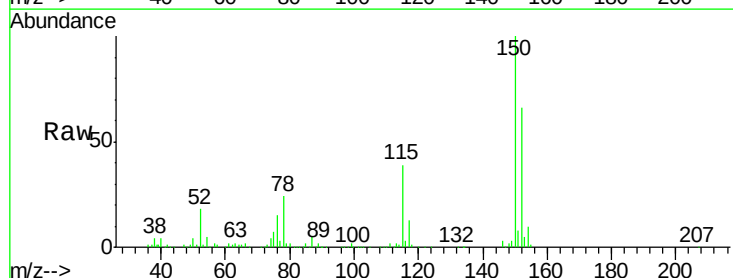


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

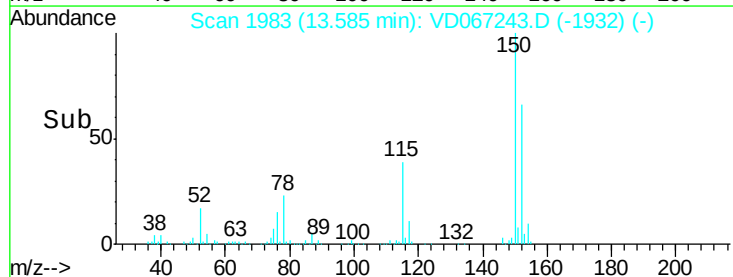
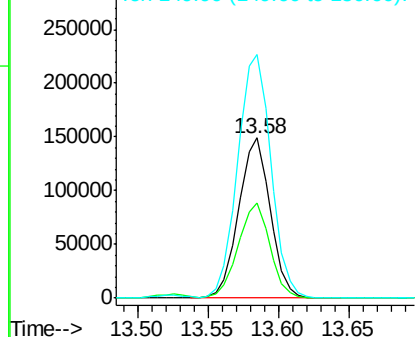


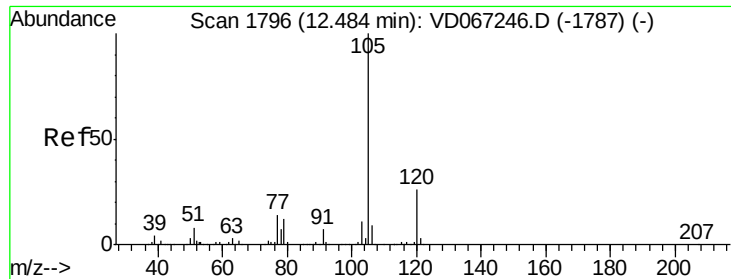
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.3	87.9
150	160.8	0.0	339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





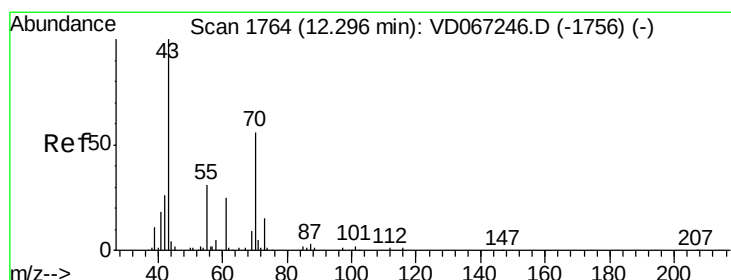
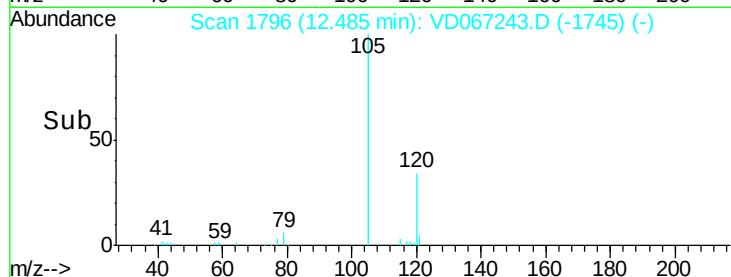
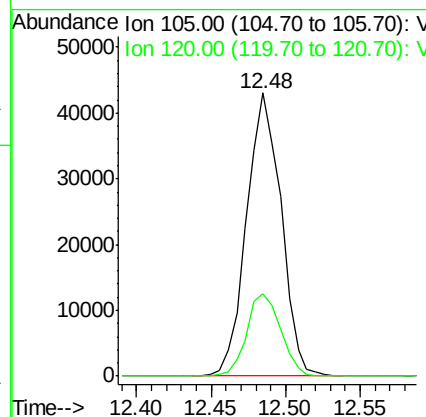
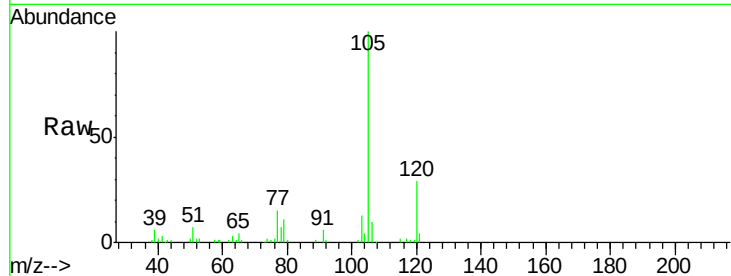
#73
Isopropylbenzene
Concen: 4.629 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.6	13.3	39.8

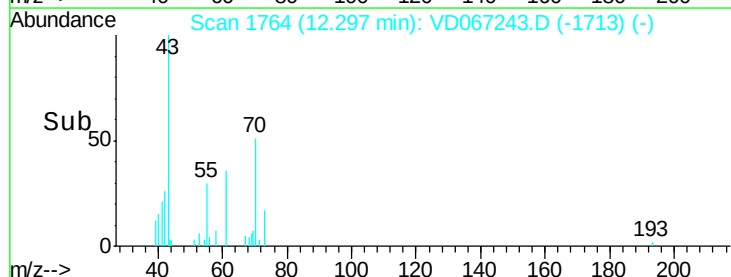
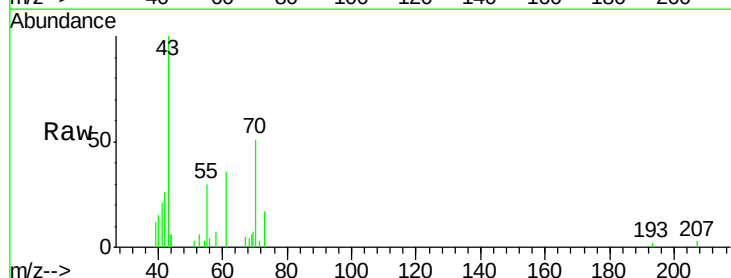
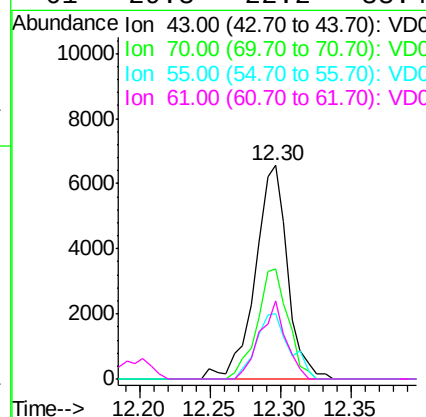
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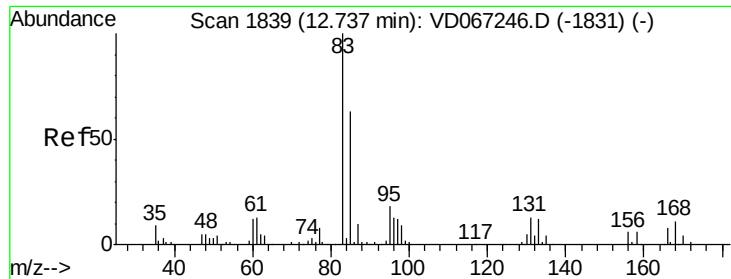
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#74
N-ethyl acetate
Concen: 4.790 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.1	42.7	64.1
55	31.4	24.0	36.0
61	29.3	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.028 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

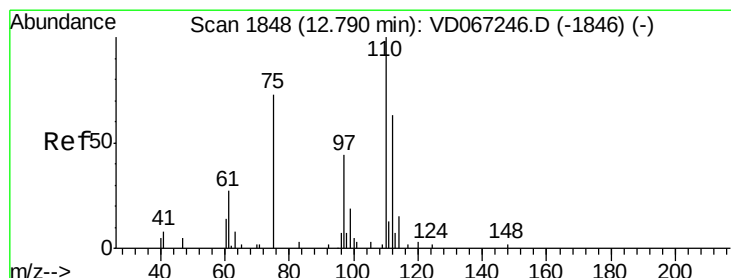
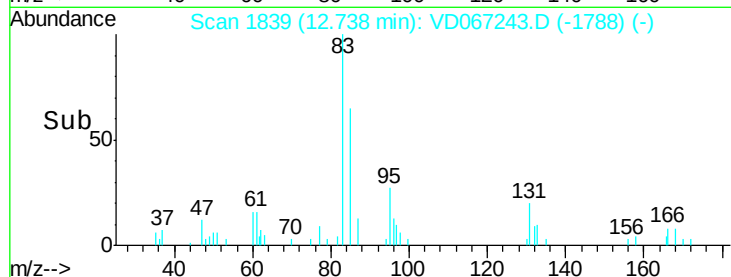
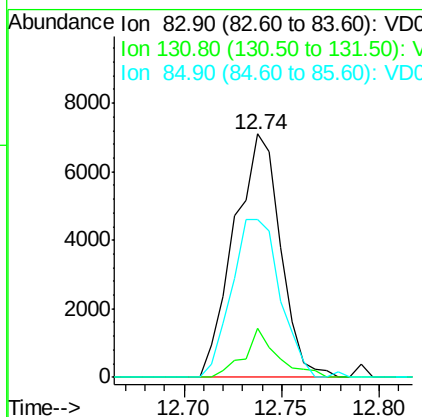
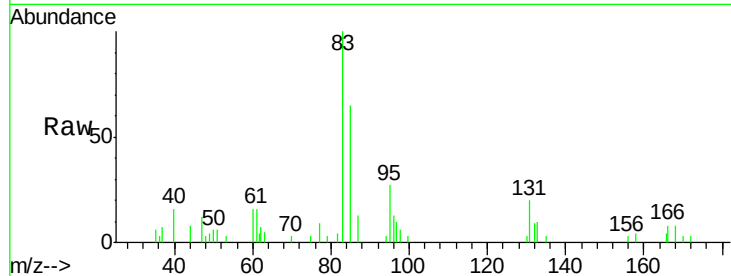
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11701
Ion	Ratio	Lower	Upper
83	100		
131	14.3	6.5	19.5
85	67.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 5.141 ug/l m

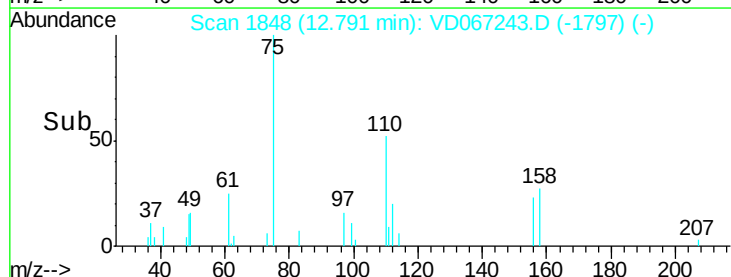
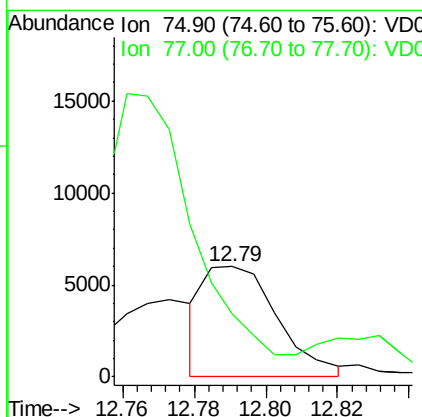
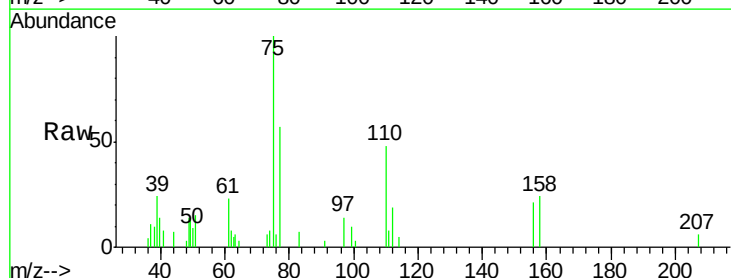
RT: 12.79 min Scan# 1848

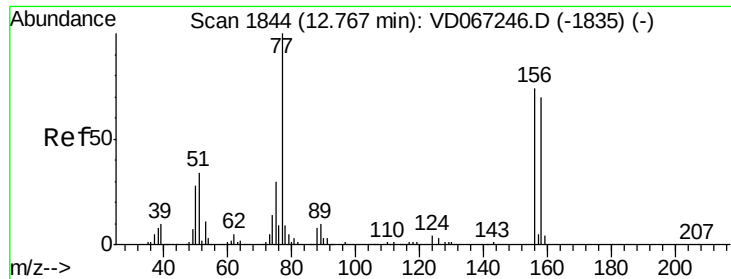
Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Tgt Ion:	75	Resp:	8559
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.040 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 19096

Ion Ratio Lower Upper

156 100

77 155.3 78.0 233.8

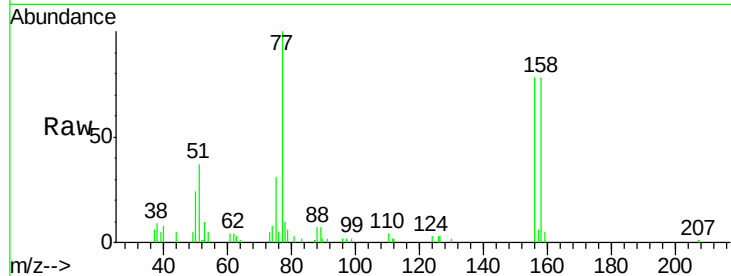
158 99.3 49.1 147.3

Manual Integrations

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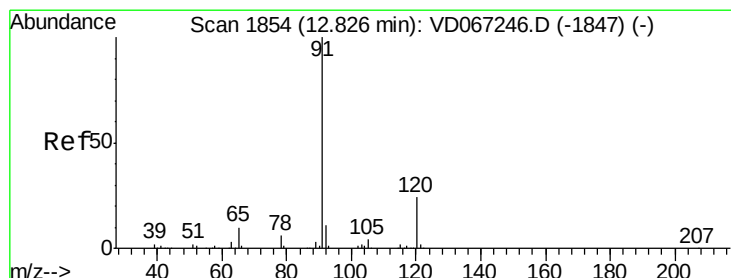
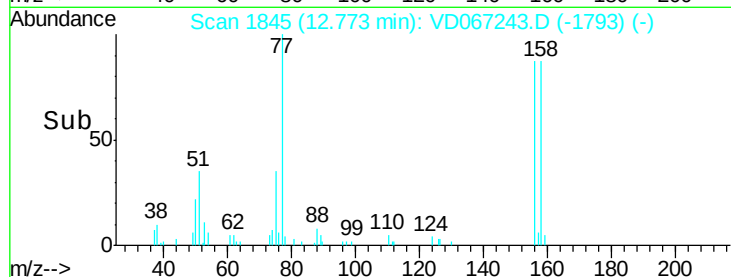
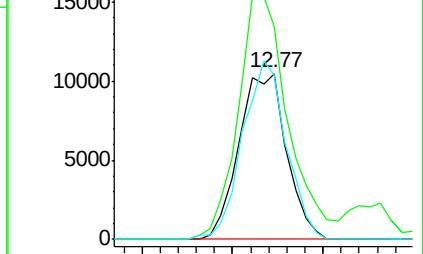
10/14/2020 2:10:05 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.787 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067243.D

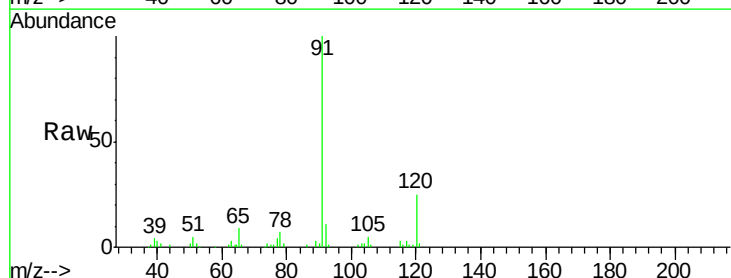
Acq: 13 Oct 2020 10:28

Tgt Ion: 91 Resp: 83809

Ion Ratio Lower Upper

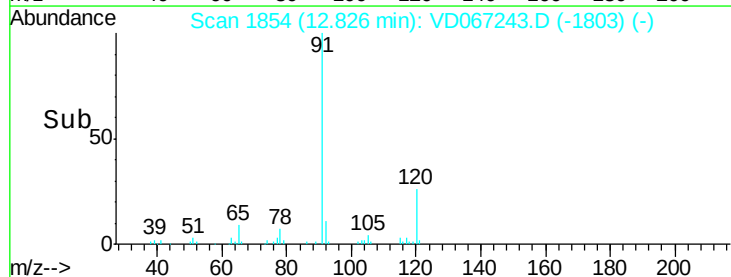
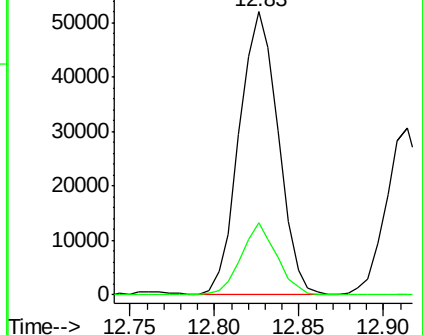
91 100

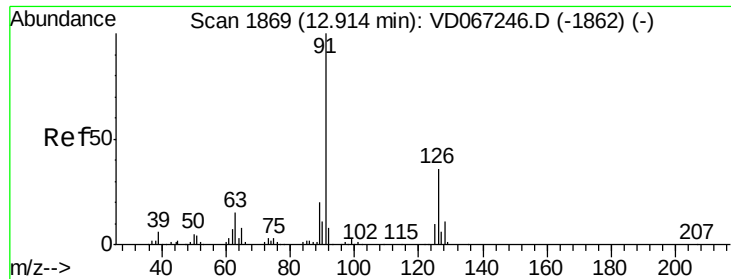
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





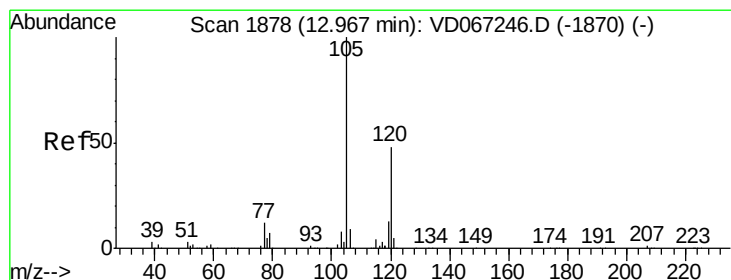
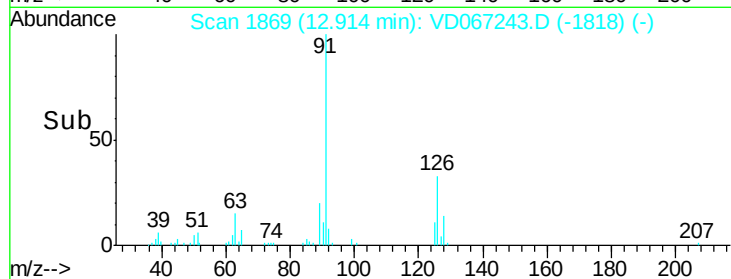
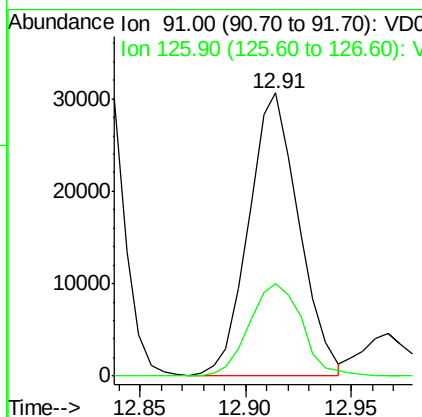
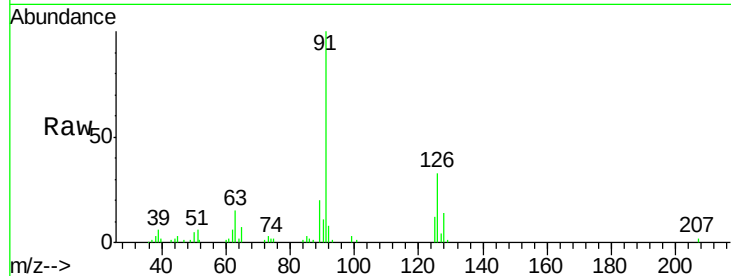
#79
2-Chlorotoluene
Concen: 4.972 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 50740
Ion Ratio Lower Upper
91 100
126 34.1 17.6 52.8

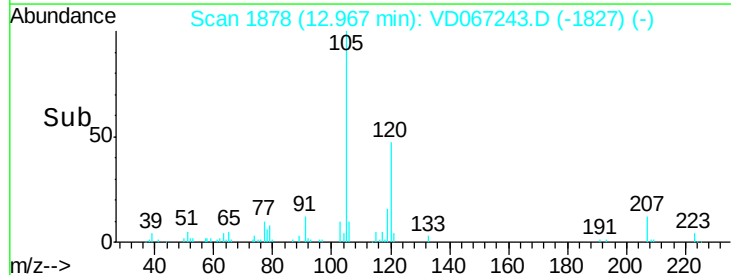
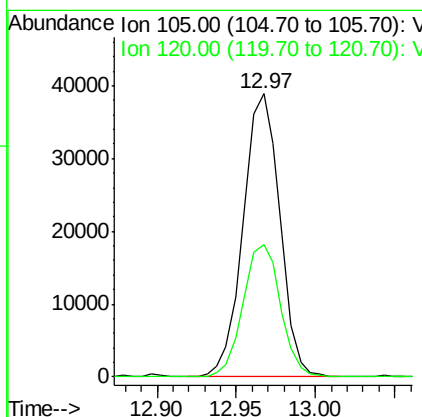
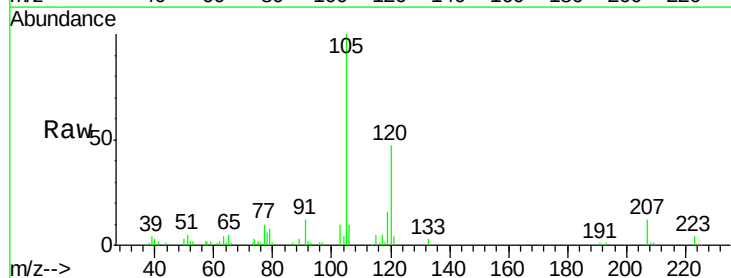
Manual Integrations
APPROVED

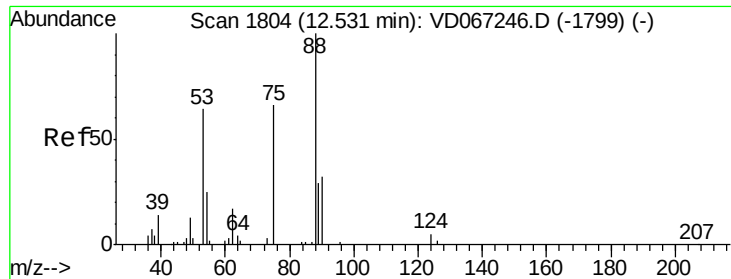
MMDadoda
10/14/2020 2:10:05 PM



#80
1,3,5-Trimethylbenzene
Concen: 4.781 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion: 105 Resp: 62617
Ion Ratio Lower Upper
105 100
120 47.6 24.3 72.8





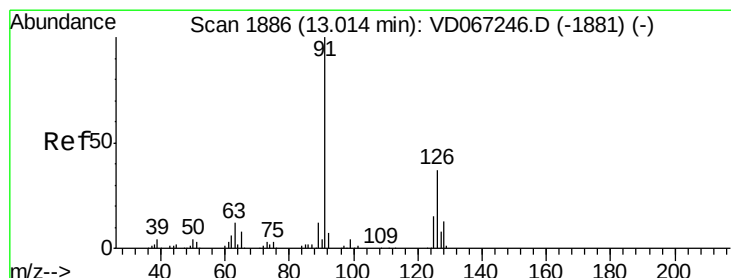
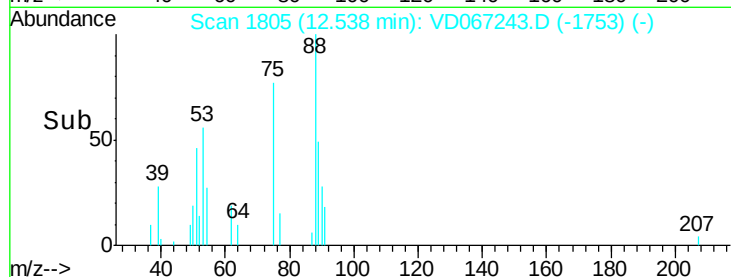
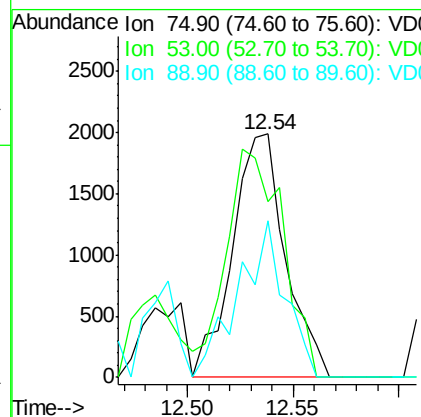
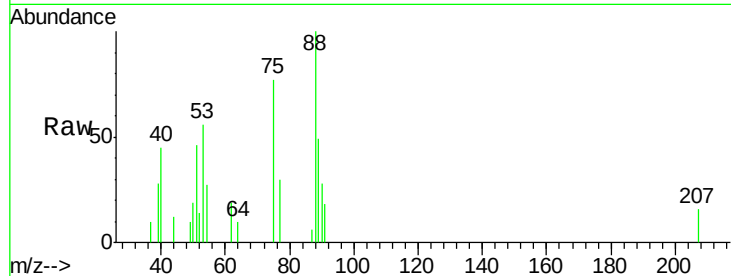
#81
trans-1,4-Dichloro-2-butene
Concen: 4.817 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	78.5	117.7
89	56.5	39.9	59.9

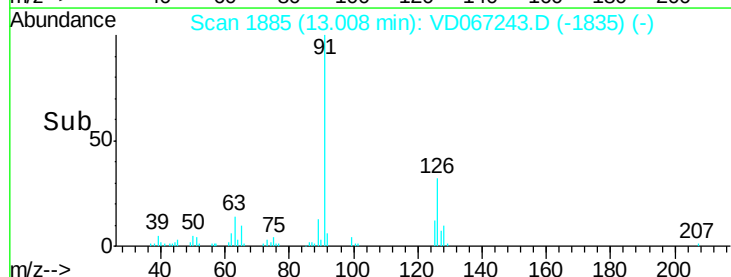
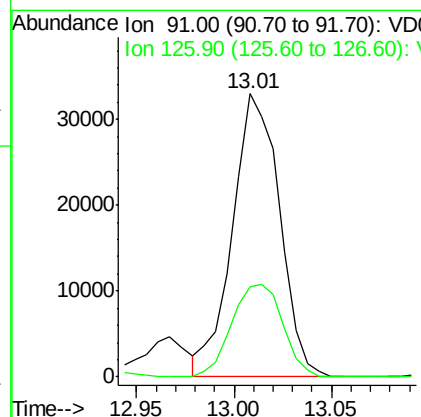
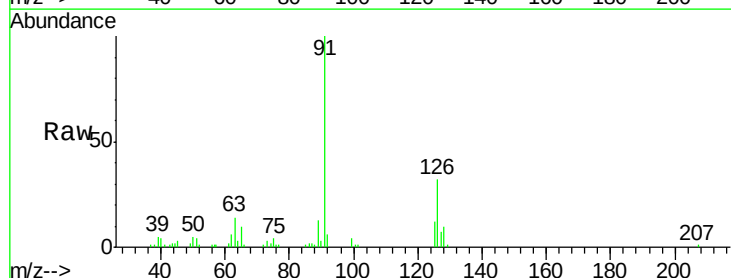
Manual Integrations
APPROVED

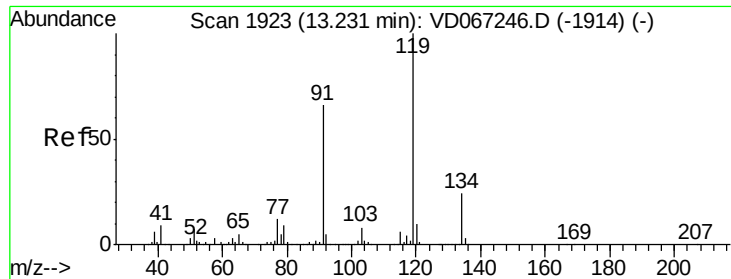
MMDadoda
10/14/2020 2:10:05 PM



#82
4-Chlorotoluene
Concen: 5.063 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





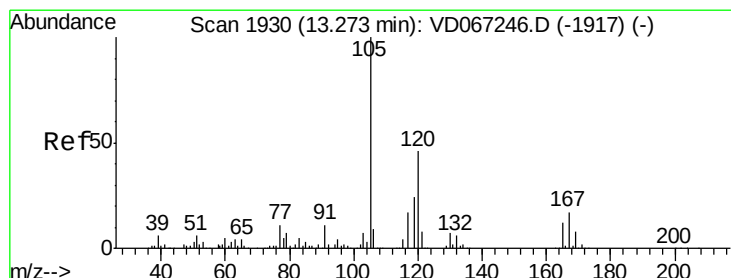
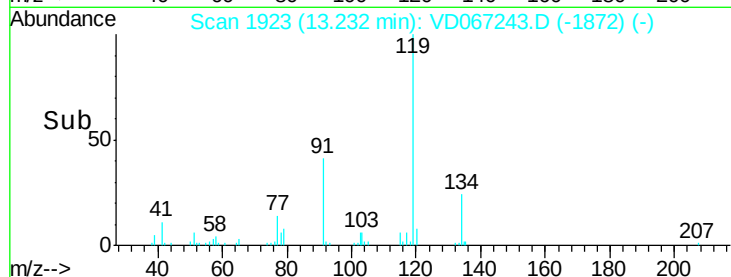
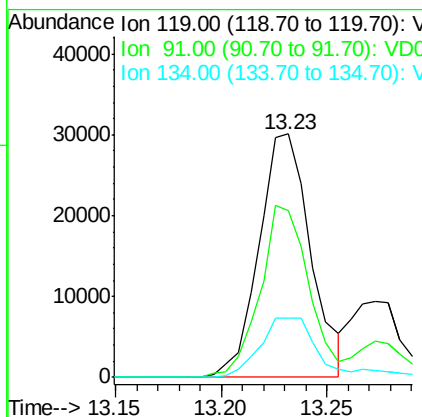
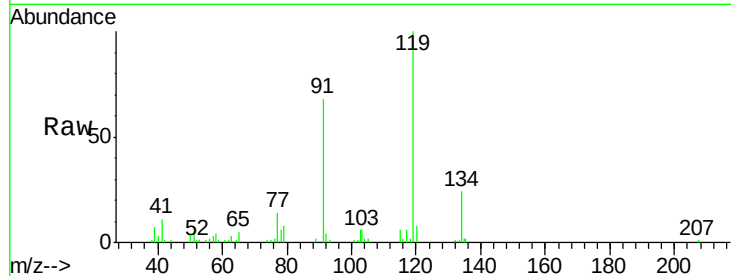
#83
tert-Butylbenzene
Concen: 4.680 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.1	99.2
134	26.1	13.3	39.9

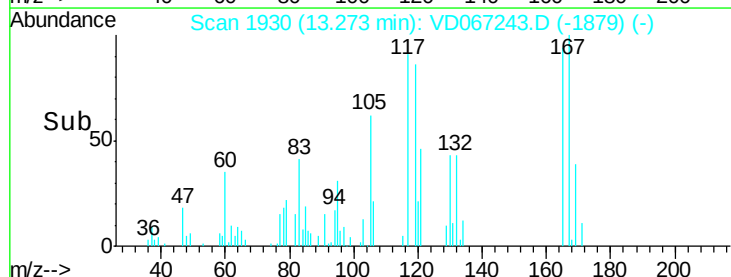
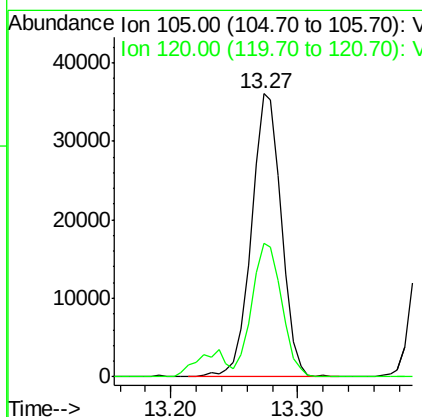
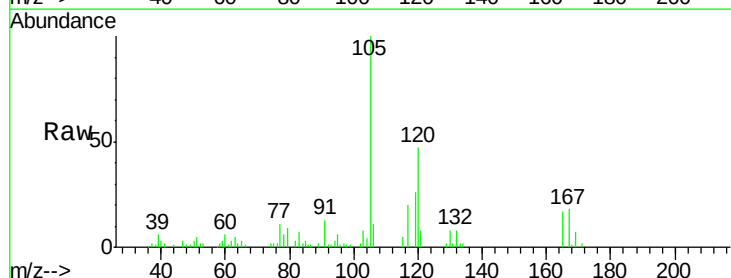
Manual Integrations
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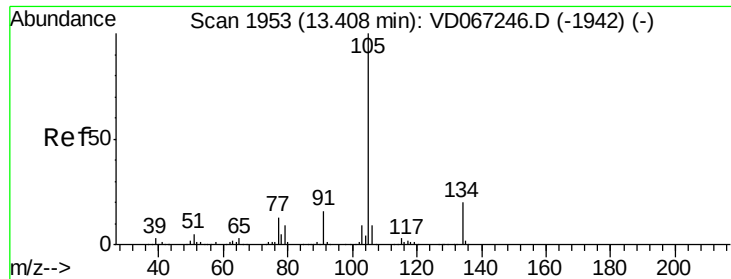
MMDadoda
10/14/2020 2:10:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 4.596 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 4.826 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 73193

Ion Ratio Lower Upper

105 100

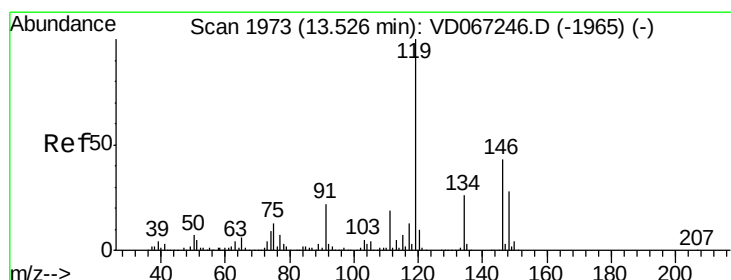
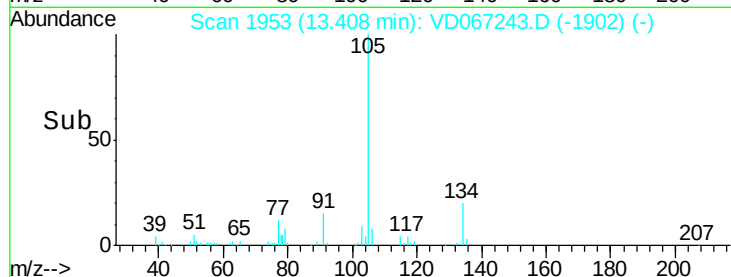
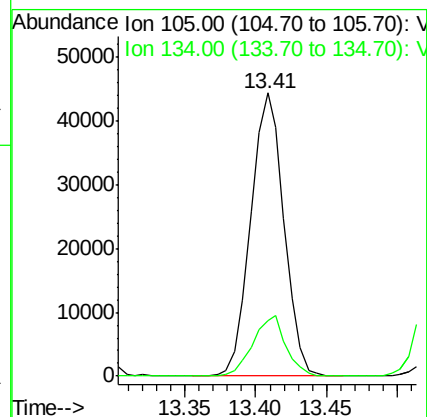
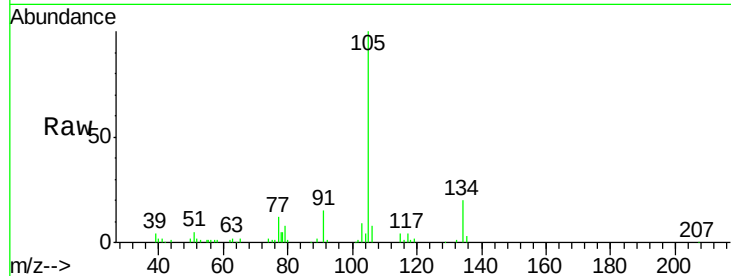
134 21.1 10.5 31.5

Manual Integrations

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MMDadoda

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#86

p-Isopropyltoluene

Concen: 4.679 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067243.D

Acq: 13 Oct 2020 10:28

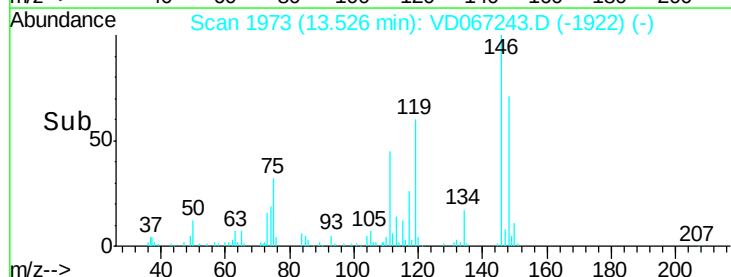
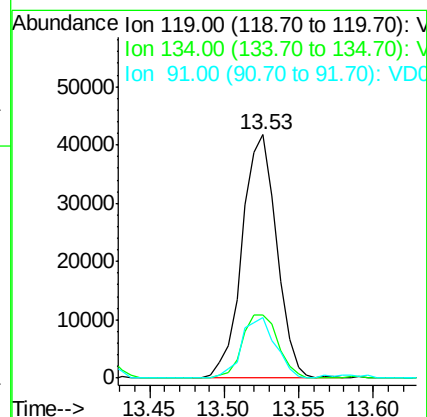
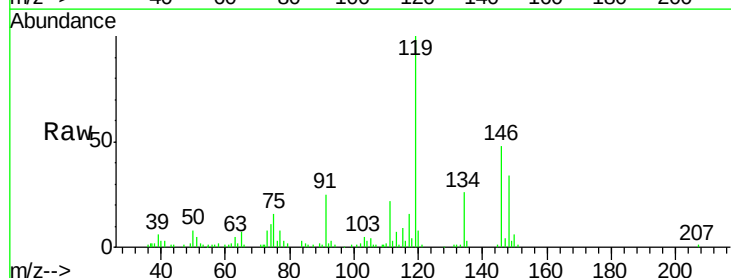
Tgt Ion:119 Resp: 67068

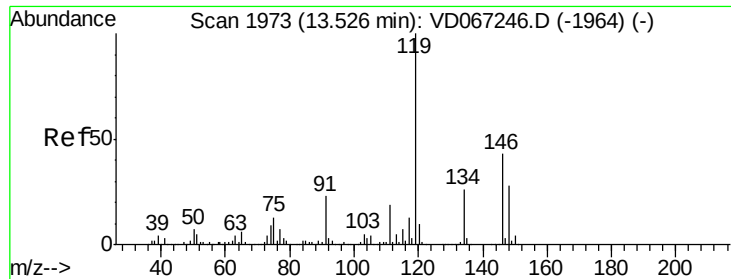
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.2 11.9 35.9





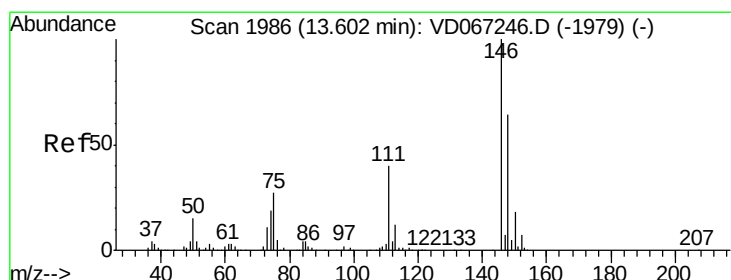
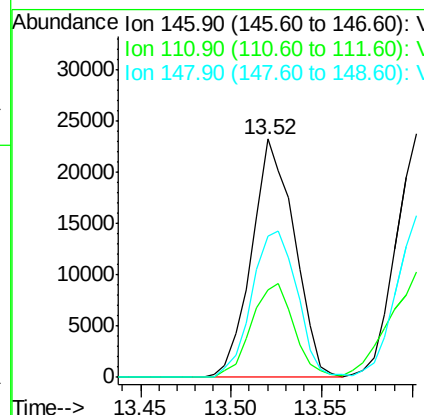
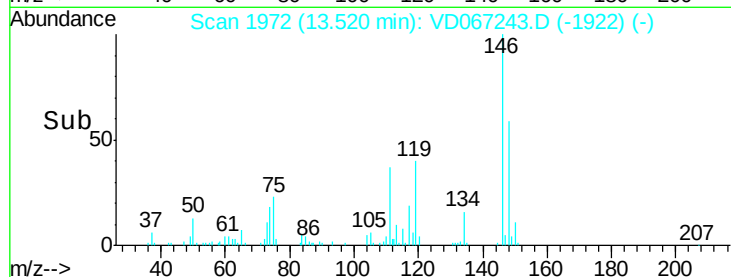
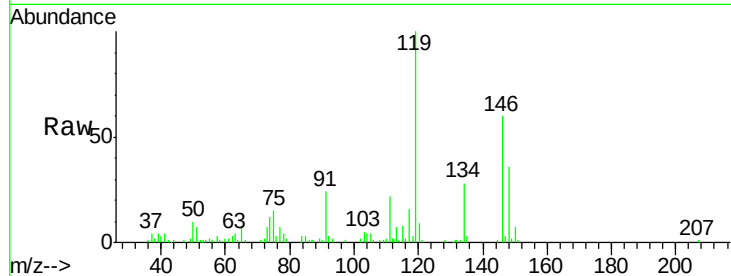
#87
 1,3-Dichlorobenzene
 Concen: 5.137 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.3
148	65.4	31.9	95.9

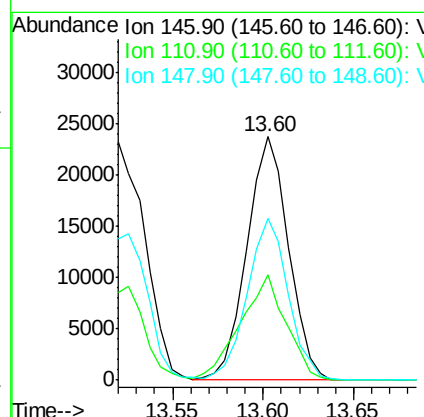
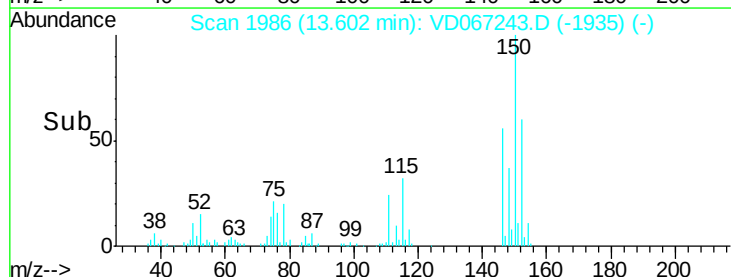
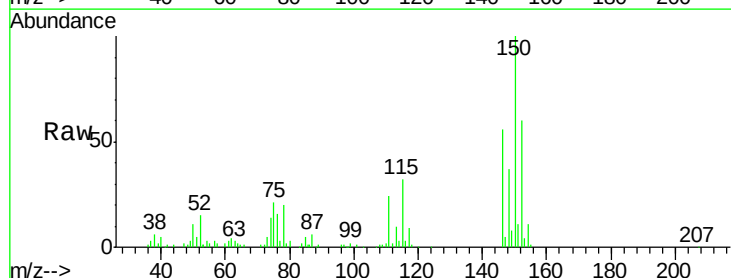
Manual Integrations
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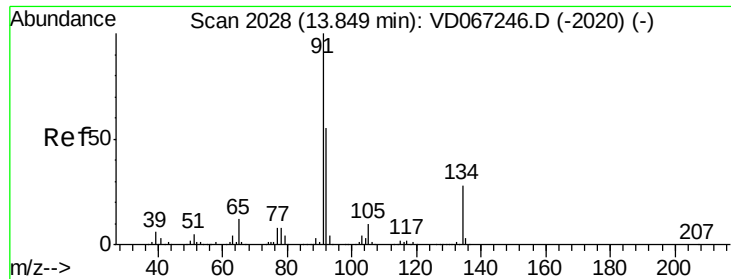
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 10/14/2020 2:10:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.208 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	19.9	59.7
148	65.5	31.9	95.9





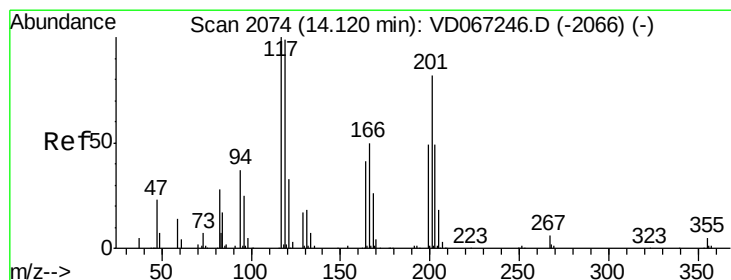
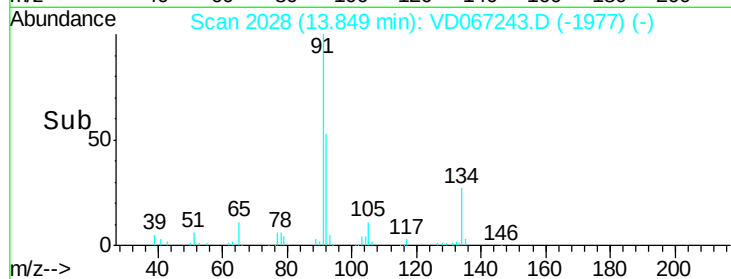
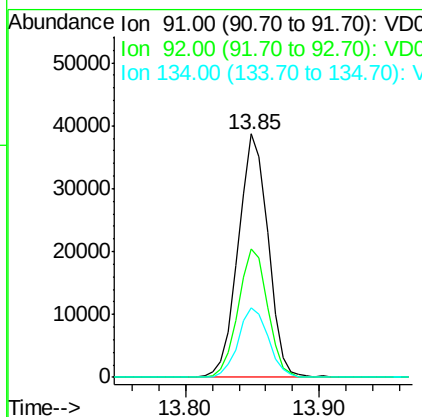
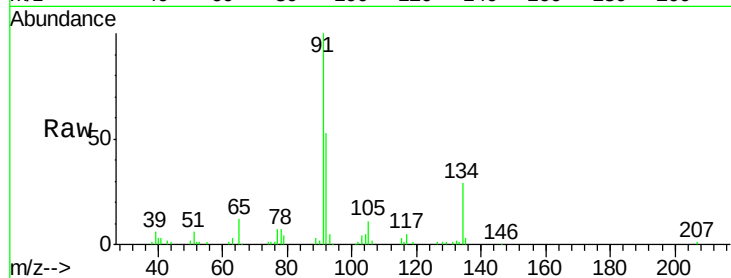
#89
n-Butylbenzene
Concen: 4.792 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.7	80.0
134	28.3	14.2	42.6

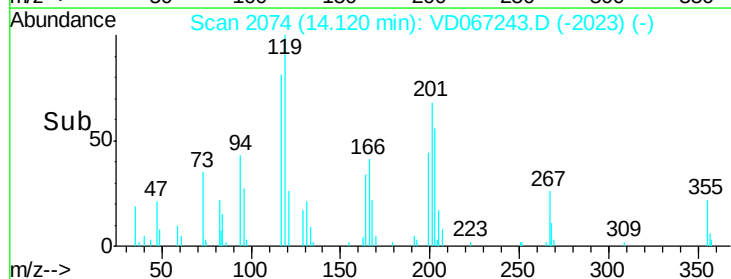
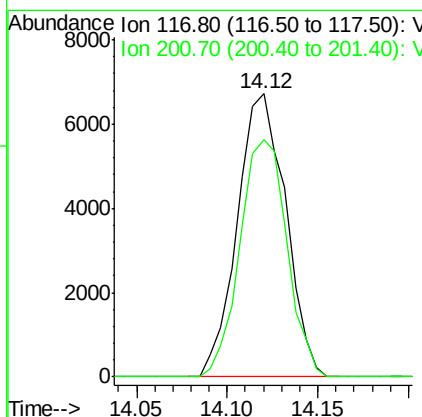
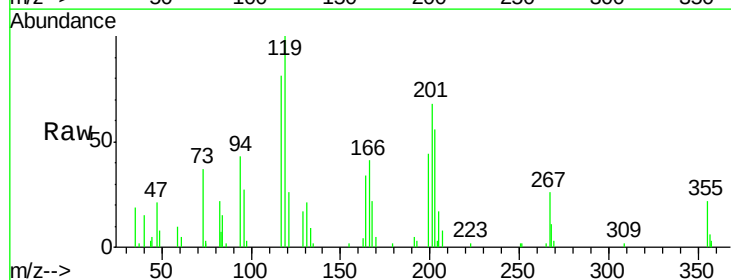
Manual Integrations
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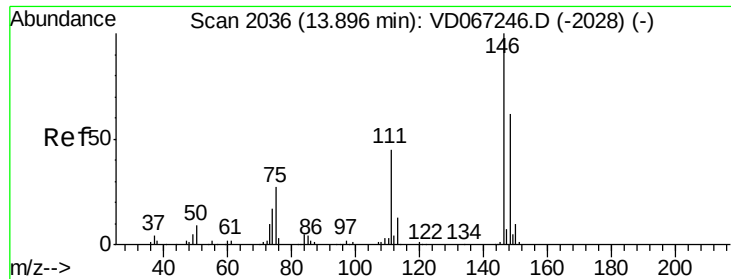
MMDadoda
10/14/2020 2:10:05 PM



#90
Hexachloroethane
Concen: 4.998 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.8	122.2





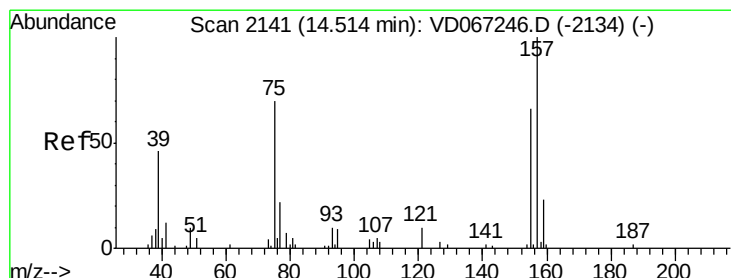
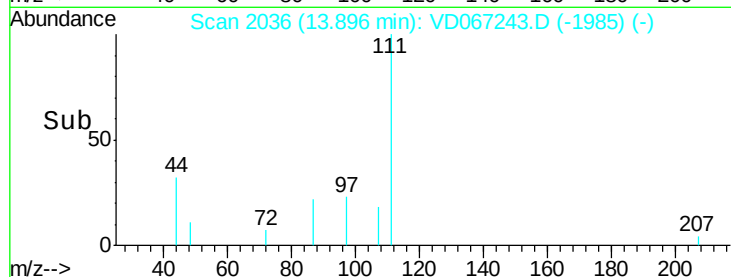
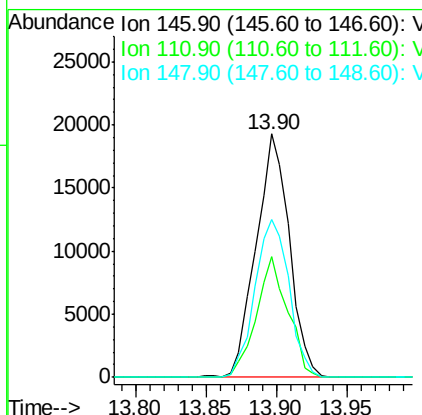
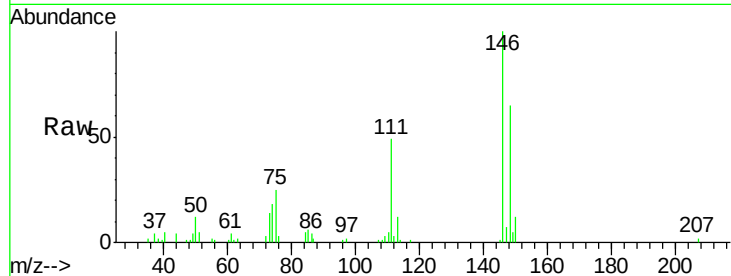
#91
 1,2-Dichlorobenzene
 Concen: 4.998 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	22.0	66.0
148	66.3	32.5	97.5

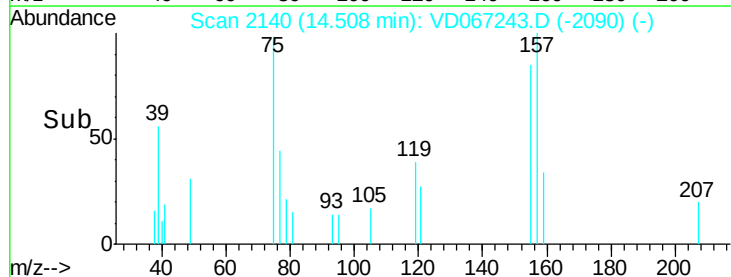
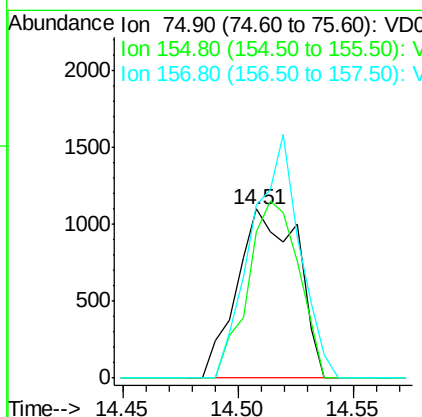
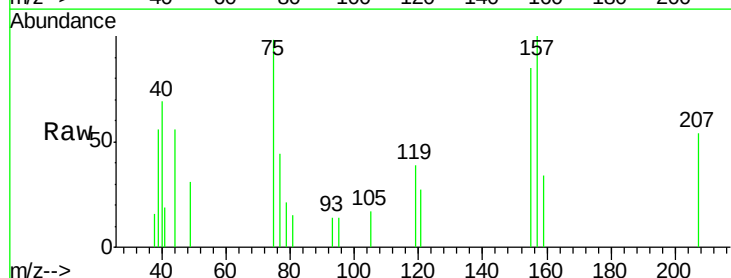
Manual Integrations
 APPROVED

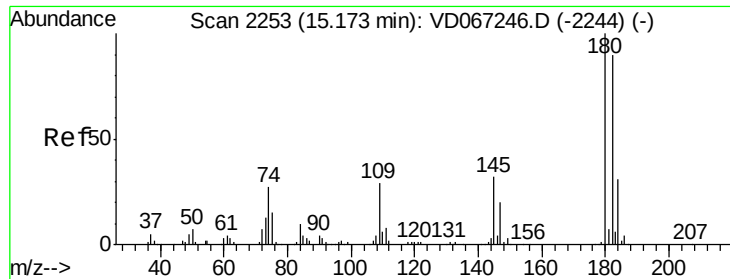
MMDadoda
 10/14/2020 2:10:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.779 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	44.8	134.4
157	113.6	62.5	187.4





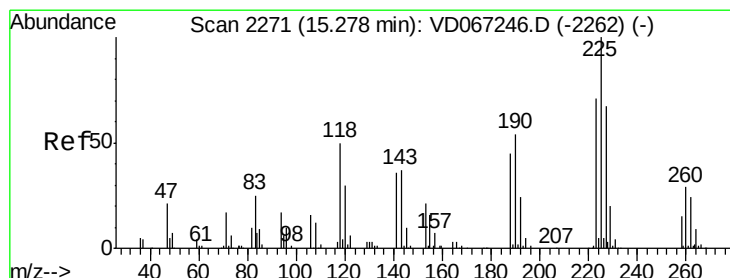
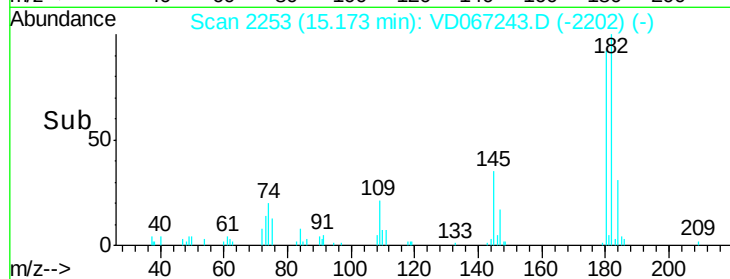
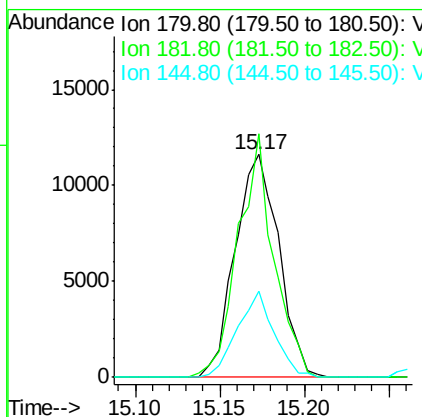
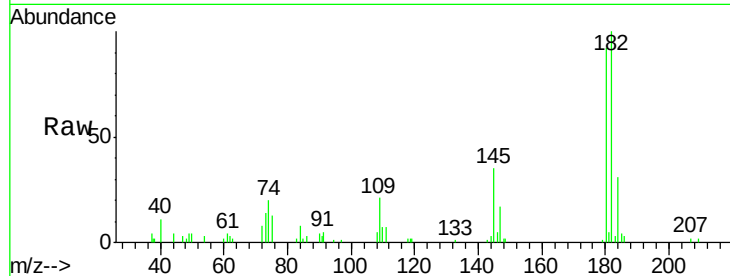
#93
 1,2,4-Trichlorobenzene
 Concen: 4.991 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.1	144.4
145	33.0	16.3	48.9

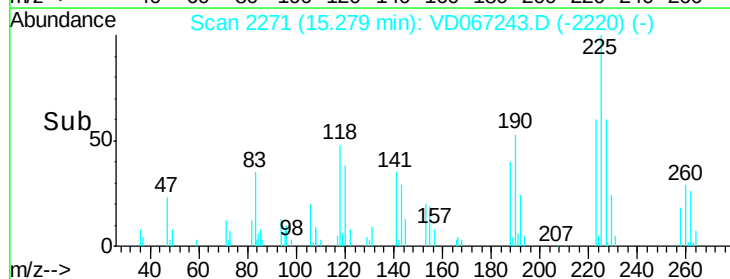
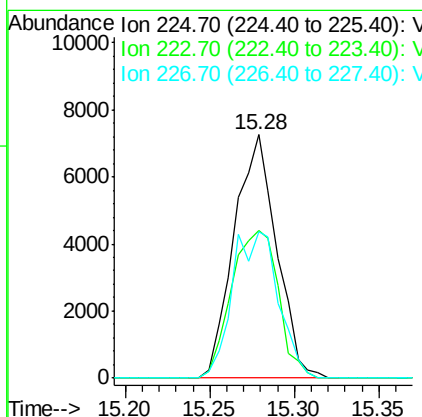
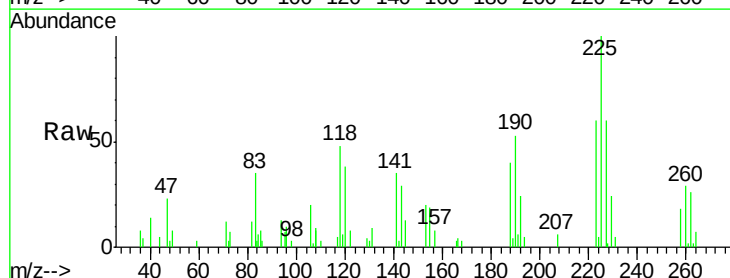
Manual Integrations
 APPROVED

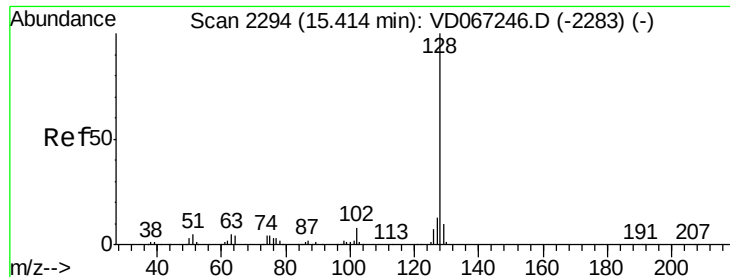
MMDadoda
 10/14/2020 2:10:05 PM



#94
 Hexachlorobutadiene
 Concen: 4.846 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067243.D
 Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.9	95.7
227	65.4	31.2	93.6





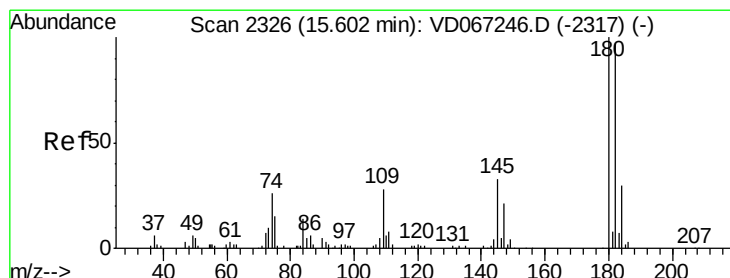
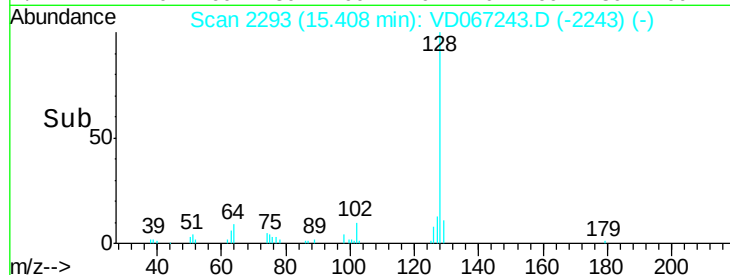
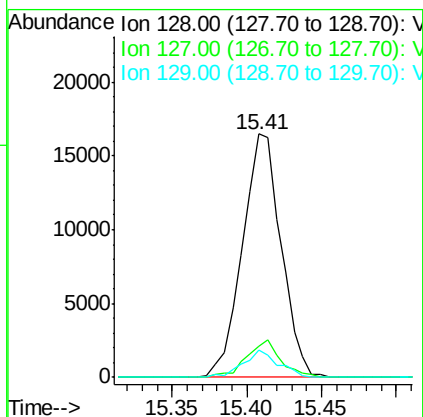
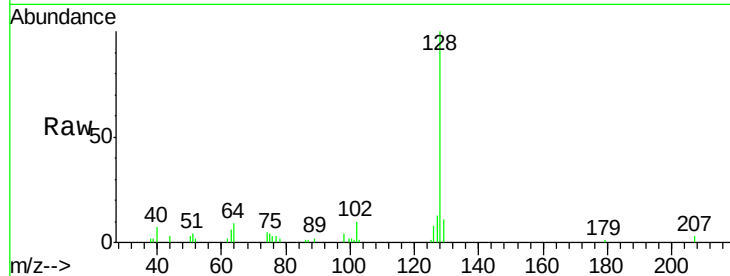
#95
Naphthalene
Concen: 4.505 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.769 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067243.D
Acq: 13 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	40.1	17.3	51.9

